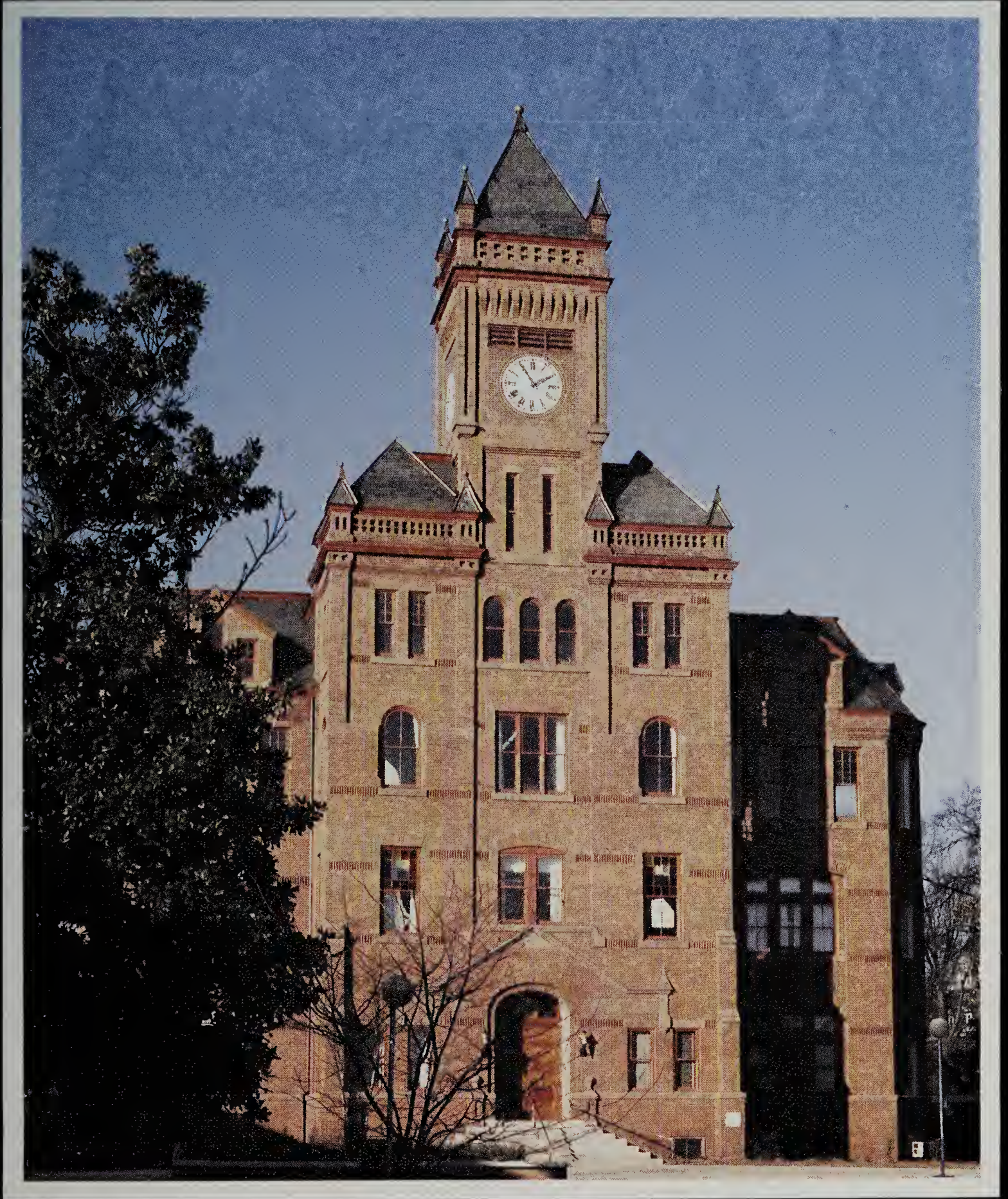


JOHNSON C. SMITH UNIVERSITY



CATALOG 1988-1990

JOHNSON C. SMITH UNIVERSITY

IS

ACCREDITED BY

The Southern Association of Colleges and Schools

APPROVED BY

The State Department of Public Instruction

AND HOLDS MEMBERSHIP IN THE

American Assembly of Colleges and Schools of Business

American Association of Colleges for Teacher Education

American Association of Collegiate Registrars and Admissions Officers

American Council on Education

Association of Governing Boards of Universities and Colleges

Council for Advancement and Support of Education

Charlotte Area Educational Consortium

College Entrance Examination Board

College and University Personnel

National Association of College Admission Counselors

National Association of College Deans, Registrars,
and Admissions Officers

National Association for Equal Opportunity in Higher Education

National Association of Independent Colleges and Universities

National Association of Minority Engineering Programs Administrators

National Association of Student Financial Aid Administrators

National Association of Student Personnel Administrators

North Carolina Association of Colleges and Universities

North Carolina Association of Colleges for Teacher Education

North Carolina Association of Independent College and Universities

Southern Association of College Registrars and Admissions Officers

United Negro College Fund

* * * * *

Admission to, employment by, and promotion within the University shall be on the basis of merit, and there shall be no discrimination on the basis of race, color, creed, sex, national origin, or handicap.

JOHNSON C. SMITH UNIVERSITY

UNIVERSITY

CATALOG 1988-1990

CHARLOTTE, NORTH CAROLINA
28216-5398

As a private educational institution, the University and student enter into a contractual relationship with one another. This Catalog, the Student Handbook and other documents and regulations of the University are part of the contract the student has with the University. These materials are made available to the student at or before admission and enrollment. The student on admission is obligating himself or herself to submit to and be governed by the reasonable rules and regulations contained in these materials. Students are encouraged to read these materials and familiarize themselves with their contractual obligations. The University reserves the right to change fees, tuition or other charges; to add or to delete courses; to revise academic programs; or to alter regulations and requirements as deemed necessary. Johnson C. Smith University offers both equal education and equal employment opportunities.

Johnson C. Smith University, Incorporated shall continue the present policy of admitting students of any race, color, sex, national and ethnic origin, to all rights, privileges, programs and activities generally accorded to or made available to students at the University.

An Affirmative Action/Equal Opportunity Institution.

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— ACADEMIC CALENDAR —

1988 - 1989

FALL SEMESTER

August 16.....	New Students will check into Residence Halls
August 16.....	Faculty Reports for Duty New Faculty Orientation
August 17-18.....	PRE-SCHOOL CONFERENCE FOR FACULTY AND STAFF
August 17-22.....	New Student Orientation
August 19.....	Advisement/Registration for Freshmen
August 21.....	Residence Halls open to upper class students
August 22.....	Registration for Freshmen (continued)
August 22.....	ID cards validated
August 22.....	Change of Program for students who participated in Advance Registration.
August 23.....	Registration for returning students and continuing students who did not participate in advance registration.
August 24.....	FIRST DAY OF CLASSES
August 30.....	Last Day to Enroll for Fall Semester
August 31 - Sept 1-2.....	Change of Program (Drop Add)
September 2.....	LAST DAY TO ADD COURSES
September 5.....	Labor Day (University Holiday)
September 6.....	Opening Convocation
October 10-11.....	MID-SEMESTER EXAMINATIONS
October 12.....	Last day to file application for admission into the Teacher Education Program. Last day to file application for student teaching in the Spring semester
October 14.....	Mid-semester grades are due
October 14.....	Candidates completing requirements for graduation at the close of the Fall semester must file application for degrees in the Office of Registrar on or before this date.
October 28.....	LAST DAY FOR DROPPING COURSES
October 29.....	HOMECOMING
November 7-11.....	Advance Registration
November 23	Classes end at 1:00 p.m.
November 24-November 25.....	Thanksgiving Holiday (classes resume at 8:00 a.m. November 28)
December 4	Annual Christmas Program by Music Department
December 9	LAST DAY OF CLASSES
December 9	LAST DAY TO WITHDRAW OFFICIALLY FROM THE UNIVERSITY
December 12-16.....	FINAL EXAMINATIONS FOR FALL SEMESTER
December 19.....	Grades due in Office of the Registrar
December 19-January 8.....	Academic Recess
December 23-December 30	Christmas Break (University closed)
January 2.....	New Year's Holiday

SPRING SEMESTER

January 8.....	Residence Halls will open at 9:00 a.m.
January 8-9	Orientation - Freshman and Transfer students entering for the Spring Semester
January 9.....	Faculty Reports for Duty
January 10	Registration and change of program for students who participated in Advance Registration
	Registration for new students and returning students who did not participate in Advance Registration
January 11	FIRST DAY OF CLASSES
January 12	Last day to enroll for the Spring Semester
January 13-20	Change of Program (Drop-Add)
January 16	Martin Luther King's Birthday (University Holiday)
January 20	LAST DAY TO ADD COURSES
February 14	Candidates completing requirements for graduation at the close of the Spring semester must file application for degrees in the Office of the Registrar on or before this date.
February 20-21	MID SEMESTER EXAMINATIONS
February 24	Mid-semester grades due
March 10.....	LAST DAY FOR DROPPING COURSES
March 10.....	Last day to file application for admission into the Teacher Education Program. Last day to file application for student teaching in the Fall semester
March 11-19	SPRING RECESS
March 24-27	Easter Holiday
March 28-31	Advance Registration
April 9.....	Founders Day Convocation
April.....	NATIONAL LIBRARY WEEK**
May 5.....	LAST DAY OF CLASSES
May 5.....	LAST DAY TO WITHDRAW OFFICIALLY FROM THE UNIVERSITY
May 8-12	FINAL EXAMINATION FOR SPRING SEMESTER
May 12.....	Grade reports for graduating seniors due in Registrar's Office
May 17.....	Grade reports for non-graduating students due in Registrar's Office
May 19-21.....	COMMENCEMENT ACTIVITIES
May 21.....	COMMENCEMENT DAY
May 23-22.....	FACULTY POST-SCHOOL CONFERENCE
SUMMER SCHOOL.....	(TO BE ANNOUNCED)

**Dates to be announced.

— ACADEMIC CALENDAR —

1989 - 1990

FALL SEMESTER

August 15.....	New Students will check into Residence Halls
August 15.....	Faculty Reports for Duty New Faculty Orientation
August 16-17.....	PRE-SCHOOL CONFERENCE FOR FACULTY AND STAFF
August 16-21.....	New Student Orientation
August 17.....	Advisement/Registration for Freshmen
August 20.....	Residence Halls open to upper class students
August 21.....	Registration for Freshmen (continued)
August 21.....	ID cards validated
August 21.....	Change of Program for students who participated in Advance Registration.
August 22.....	Registration for returning students and continuing students who did not participate in advance registra- tion.
August 23.....	FIRST DAY OF CLASSES
August 30-31.....	Change of Program (Drop Add)
August 31.....	LAST DAY TO ADD COURSES
September 4.....	Labor Day (University Holiday)
September 5.....	Opening Convocation
October 9-10	MID-SEMESTER EXAMINATIONS
October 11.....	Last day to file application for admission into the Teacher Education Program. Last day to file appli- cation for student teaching in the Spring semester
October 13.....	Mid-semester grades are due
October 13.....	Candidates completing requirements for graduation at the close of the Fall semester must file application for degrees in the Office of Registrar on or before this date.
October 27.....	LAST DAY FOR DROPPING COURSES
November 4.....	HOMECOMING
November 6-10.....	Advance Registration
November 22	Classes end at 1:00 p.m.
November 23-24	Thanksgiving Holiday (classes resume at 8:00 a.m. November 28)
December 8	LAST DAY OF CLASSES
December 8	LAST DAY TO WITHDRAW OFFICIALLY FROM THE UNIVERSITY
December 10.....	Annual Christmas Program by Music Department
December 11-15.....	FINAL EXAMINATIONS FOR FALL SEMESTER
December 18.....	Grades due in Office of the Registrar
December 18-January 7	Academic Recess
December 22-29.....	Christmas Break (University closed)
January 1.....	New Year's Holiday

SPRING SEMESTER

January 6.....	Residence Halls will open at 9:00 a.m.
January 7-8	Orientation - Freshman and Transfer students entering for the Spring Semester
January 8.....	Faculty Reports for Duty
January 9.....	Registration and change of program for students who participated in Advance Registration Registration for new students and returning students who did not participate in Advance Registration
January 10	FIRST DAY OF CLASSES
January 11	Last day to enroll for the Spring Semester
January 12-19	Change of Program (Drop-Add)
January 15	Martin Luther King's Birthday (University Holiday)
January 19	LAST DAY TO ADD COURSES
February 13	Candidates completing requirements for graduation at the close of the Spring semester must file application for degrees in the Office of the Registrar on or before this date.
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May 11.....	Grade reports for graduating seniors due in Registrar's Office
May 16.....	Grade reports for non-graduating students due in Registrar's Office
May 18-20.....	COMMENCEMENT ACTIVITIES
May 20.....	COMMENCEMENT DAY
May 21-22.....	FACULTY POST-SCHOOL CONFERENCE
SUMMER SCHOOL.....	(TO BE ANNOUNCED)

**Dates to be announced.



GENERAL INFORMATION

HISTORY

In 1867 the Reverend S. C. Alexander and the Reverend W. L. Miller saw the need to establish an institution in this section of the South and began to devise such plans as would secure the desired results. On April 7, 1867, at a meeting of the Catawba Presbytery in the old Charlotte Presbyterian Church, formerly located at the corner of D and Fourth Streets, Charlotte, North Carolina, the movement for the school was formally inaugurated, and these two ministers were elected as teachers.

Information concerning the establishing of the school was brought to the attention of Mrs. Mary D. Biddle, an excellent churchwoman of Philadelphia, Pennsylvania, who, through appeals on behalf of the work in one of the church papers, pledged \$1400. In appreciation of this first and generous contribution, friends of the project requested Mrs. Biddle to name the newly established school after her late husband, Major Henry Biddle. After the request was granted, the school was named Biddle Memorial Institute and later was chartered by the State Legislature under that name.

The first eight acres of land used as the site for the school were donated by Colonel W. R. Myers, a wealthy citizen of Charlotte, North Carolina. From 1867 to 1876 the school was known as the Biddle Memorial Institute. In 1876 the charter was changed by the Legislature of North Carolina, and the name of the school became Biddle University. The institution operated under this name until 1923.

From 1921 to 1922 the late Mrs. Jane Berry Smith, of Pittsburgh, Pennsylvania, gave funds for the erection of a theological dormitory, a science hall, a teachers' cottage, and a memorial gate at Biddle University. In addition she provided a handsome endowment for the institution in memory of her late husband, Johnson C. Smith. In recognition of these generous benefactions, the Board of Trustees voted to change the name of the institution to Johnson C. Smith University. The charter of the school, accordingly, was so amended March 1, 1923, by the Legislature of the State of North Carolina. From 1923 until her death in October 1929, Mrs. Smith gave funds for the erection of five more buildings, including a campus church.

The University was further strengthened from 1924 to 1925 as a result of a substantial provision by James B. Duke, a wealthy, "wise, magnanimous" businessman of Somerville, New Jersey. Mr. Duke also had a home in Charlotte and had been contacted by the president

of the University, Dr. H. L. McCrorey, several years earlier for a contribution. Mr. Duke did not respond to Dr. McCrorey's letter, but in the authorization of the establishment of the Duke Endowment on December 11, 1924, Johnson C. Smith University was included as one of the beneficiaries. Through the years the Duke Endowment has been of inestimable value to the continued development of the University.

Also in 1924, the institution was recongized by the North Carolina State Board of Education as a four-year college. In 1929 the high school department was discontinued, and the standard program was restricted to a college of liberal arts and sciences and a theological department.

In 1932 the University's charter was amended, providing for the admission of women to the senior division. The 65-year-old institution for men then became partially coeducational.

In 1938 the institution attained the status of an independent college, affiliated with the Presbyterian Church in the United States of America, reporting to the General Assembly through the Board of Christian Education.

The first residence hall for women, named in memory of James B. Duke, was dedicated in 1940. In 1941 women were admitted to the freshman class. When the Diamond Jubilee was celebrated in 1942, the University was a fully coeducational institution.

Johnson C. Smith University joined the United Negro College Fund in 1944. This fund was organized primarily to help church-related schools of higher learning to revamp their training program, to expand their plants, to promote faculty growth, and to create new areas of service. The institution's membership in the fund began to bear fruit immediately.

In November 1955, the Henry Lawrence McCrorey Theological Hall was dedicated and provided a new home for the 88 year-old seminary and its library. This new facility also provided space for a small chapel, classrooms, and offices. In 1969 the theological department was moved from Charlotte, North Carolina, to Atlanta, Georgia, and became a part of the Interdenominational Theological Center. McCrorey Hall is now a classroom building for religious education, philosophy, sociology, and other academic areas.

Through increasing support from the Duke Endowment, the United Negro College Fund, and other sources, the period between 1955 and 1968 was one of expansion of the physical plant and enrichment of the curriculum. Seven new buildings were erected during this period: the new gymnasium (1960), the Hardy Liston Residence Hall for women (1962), the University Memorial Union (1965), the Duke Memorial Library (1967), Myers Residence Hall for men and Sanders Residence Hall for women (1967), and a new science building (1968).

The year 1967 was a memorable one for all Johnson C. Smith University (formerly Biddle) alumni and friends. The University had reached its one hundredth anniversary. During this historic centennial occasion, the institution examined its past and made innovative and creative plans for the future.

The present site contains 100 acres of land and 45 buildings. The University has more than eleven hundred students and approximately 240 full-time faculty members, administrators, and staff members for administrative and support services.

Increasingly aware that today's demand for truly educated men and women is the most pressing in history and that quality and versatility are prerequisites to equal opportunity for all, Johnson C. Smith faces the challenge of its second century with new vision and a calculated plan of action.

PURPOSE

Johnson C. Smith University, an independent, private college of liberal arts, was founded under the auspices of the Committee on Freedmen of the Presbyterian Church, U.S.A. The original purpose — to provide an institution of training of men “for the ministry, for catechists, and for teachers” — has been greatly expanded. Today, Johnson C. Smith University exists as a coed undergraduate institution of higher learning, offering varied fields of study in the context of the small liberal arts college tradition, open to all qualified persons regardless of race.

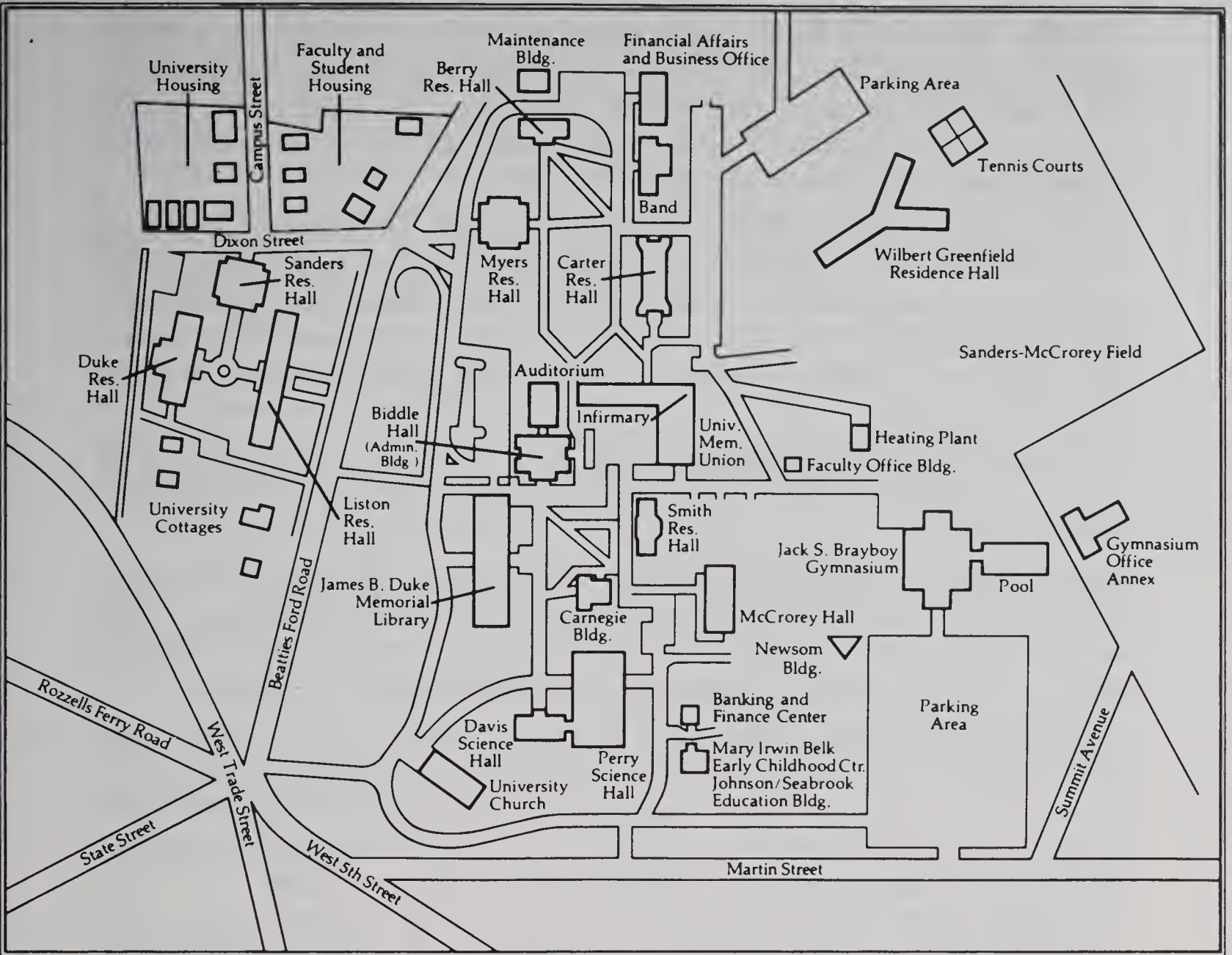
Johnson C. Smith University seeks to develop students who will be well prepared for their chosen occupations or professional careers and for living fulfilling, personal lives in an everchanging society. In order to accomplish this purpose, the University seeks to provide an environment in which women and men may realize as fully as possible their individual potential for intellectual, personal, social, physical, cultural and spiritual growth. In terms of intellectual growth, the purpose is to support the development of high standards for individual intellectual activities and to encourage improvement in the students' abilities to both organize and synthesize information from a variety of sources. A critical focus is to assist students in continuing to develop their abilities to listen, think, and write effectively. In terms of personal growth, the purpose is to encourage students to better understand themselves through self-examination and to assist students in developing the means to achieve their goals. In addition, the purpose is to encourage students to be responsible for their own behavior and to develop a commitment to independent study and learning. In terms of social growth, the purpose is to assist students in enhancing their capacity to communicate effectively with other persons, whether interacting with an individual or in a group. In terms of physical growth, the purpose is to provide both the theo-

retical understanding and practical implementation of conditions which will enhance the development of habits leading to lifelong physical fitness. In terms of cultural growth, the University seeks to heighten students' awareness and appreciation of other peoples and cultures and to encourage students' participation in and appreciation of the fine and performing arts as expressions of the human spirit. In terms of spiritual growth, the purpose is to provide avenues for examining and expressing religious and moral values and commitments.

In the realization of these general goals of a liberal arts education, Johnson C. Smith emphasizes the following:

1. Preparing students for useful and personally satisfying careers.
2. Providing programs designed to meet the needs of *all* entering students from the exceptionally well prepared to the marginally prepared.
3. Providing students with the opportunity to observe the distinction between the theoretical and practical by the provision of experiential learning options such as community based internship experiences, independent research studies, and cooperative education placements.
4. Preparing students for active involvement in our society by providing campus activities wherein leadership skills may be nurtured.
5. Providing a campus climate which supports open communication between and involvement of all University constituents in the decision-making process of the institution.
6. Placing emphasis on the importance of teaching effectiveness as paramount by placing primary, though not exclusive, weight on teaching as the basic function of the faculty.
7. Remaining up-to-date about and sensitive to technological advances and other societal changes, particularly as they affect variety, type, and scope of programs and services offered by the institution.

CAMPUS MAP



Johnson C. Smith University is located at 100-300 Beatties Ford Road near the intersection of West Trade Street, Fifth Street, and Rozzelles Ferry Road in Charlotte, North Carolina. Charlotte is served by the major airlines, by Greyhound-Trailway buses, and by Amtrak. The campus is easily accessible from Interstates 85 and 77.

BUILDINGS

Biddle Memorial Hall, constructed in 1883, contains the administrative offices of the University, conference rooms, and classrooms. The building consists of five stories, including the basement. Biddle Memorial Hall is located on the highest knoll of the campus and may be seen from almost any section of the city.

Carter Hall, built in 1896, is a residence hall. The original building was a gift of Miss Laura Carter of Geneva, New York. In 1955 the building was completely modernized on the inside, leaving the outside walls to retain the original architecture. It houses 99 students and contains a lounge, recreation area, and living quarters for the director.

Johnson C. Smith Memorial Hall, built in 1922, accommodates 54 students. It was named for the late Johnson C. Smith of Pittsburgh, Pennsylvania.

Berry Hall, a residence hall constructed in 1924, stands at the northern end of the campus. It has four stories, including a basement. This residence hall, which was given in memory of the late Mrs. Smith's parents, has a reception parlor and houses about 52 students.

The James B. Duke Memorial Hall, the first residence hall to be constructed on the campus for the housing of female students, is located across Beatties Ford Road on the west side of the University campus. The three-story building, built in 1941, houses 101 students, the director's office, laundry facilities and storage rooms.

Carnegie Hall, which housed the library from the date of its construction in 1911 to 1968, is now occupied by the Offices of the Directors of Counseling and Testing Services, Career Planning and Placement, Financial Aid, Residence Life, and the University Chaplain.

The Jane M. Smith Memorial Church, located near the former entrance to the campus, is a gift of the late Mrs. Jane Berry Smith. This beautiful building, erected in 1928, provides space for religious, cultural, and social activities.

Smith Cottage, originally built in 1926 as the winter home for Mrs. Johnson C. Smith, now houses the Banking and Finance Center.

The Henry Lawrence McCrorey Memorial Hall, dedicated on November 12, 1955, was formerly the administration building for the School of Theology. It was erected from funds raised by alumni, churches in the Catawba, Atlantic, Blue Ridge, and Canadian Synods, local friends, and the Building Fund Campaign of the Presbyterian Church, U.S.A. It contains three stories, including space for classrooms, offices, Social Science Lab, and Social Science Library.

The Hartley Woods Hall, a gift of the late Mrs. Jane Berry Smith, was the original campus gymnasium and is situated at the northern end of the campus. Built in 1928, it now houses the Office of Financial Affairs.

The Jack S. Brayboy Gymnasium was completed in 1961. It is a split-level brick and steel structure with a main playing floor, a seating capacity of 2500, two lobbies, and accessory equipment and storage rooms on the upper level. On the lower level are five instructors' offices, two classrooms, the main equipment and storage rooms, and the main physical education locker and towel rooms.

A glass-enclosed corridor connects the Pool Building with the lower level of the gymnasium. The swimming pool, which is seventy-five feet long and forty-two feet wide, meets indoor Olympic regulations. The depth of the pool is from three to ten feet.

Liston Hall, constructed in 1962, is a residence hall. Of modern design, the building will accommodate 144 students. It has two lounges and other facilities adequate for convenient living. The building was named in memory of Dr. Hardy Liston, who served as president of the University from 1947 until his death in 1956.

The University Memorial Union, constructed in 1965, is a three-story building which includes a cafeteria, a snack bar, conference rooms, faculty and student lounges, a bookstore, a post office, staff offices, recreational facilities, and the infirmary.

The James B. Duke Memorial Library, a modern structure near the center of the campus, was completed in the summer of 1967. It has an open-shelf arrangement, designed to create interest and to provide easy access to the collection.

Total resources of the library include materials directly related to classroom work, as well as general and recreational reading materials. It houses valuable reference books, bound and unbound periodicals, pamphlets, and audio-visual materials, in addition to the general book collection — all of which promote the objectives of the University. There are frequent displays on subjects of general and special interest.

Books and periodicals that are not available in the James B. Duke Memorial Library may be obtained from other libraries through interlibrary loans.

Comfortable reading areas are provided on both floors of the library. On the second floor are located study carrels for instructors and students.

Policies, designed for the interest of all users of the library, appear in the *Library Guide*, which is distributed at the circulation desk.

Myers Hall, completed in 1967, accommodates 120 students. A modern four-story structure, the building has on the first floor an apartment for the director, a two-room suite for counselors, lounge, TV room and laundry facilities.

Sanders Hall, built in 1967, accommodates 119 students. The four-story building has on the first floor two apartments (one for the director), a snack bar, a grooming room and laundry facilities.

The Science Center. The Science Center is composed of the George E. Davis Science Hall, constructed in 1923, and the Rufus Patterson Perry Science annex which was completed and occupied in September 1968. This tri-level structure was dedicated on April 2, 1978 in honor of the eighth president of the University, Dr. Rufus P. Perry.

The Science Center is fully equipped for teaching, research and has classrooms, offices, laboratories, which facilitate experimental work in chemistry, the life sciences, mathematics, physics, earth science, psychology, and computer science.

The Johnson/Seabrook Education Building and Mary Irwin Belk Early Childhood Education Center. In June of 1976 Johnson C. Smith University began construction of a new facility to house the Education and Business/Economics Departments. The Mary Irwin Belk Early Childhood component was added as a teaching laboratory and community service project. Major donors who contributed to the facility were: The Belk Family Foundation; Department of HEW Higher Education Facilities; the Kresge Foundation; Observer Charities and the Z. Smith Reynolds Foundation.

Greenfield Hall was dedicated on April 19, 1985. It is a residence hall of modern design. The building houses 213 students. On the main floor is the office of the Residence Coordinator, the main lounge and a vending area. The library along with two conference rooms are located on the third floor where residents have the opportunity to interact within the building. The lower level houses the laundry room and storage area. The building is named for the former president of the University, Dr. Wilbert Greenfield, who served from 1972 to 1983.

The Lionel H. Newsom Humanities Building, completed in 1986, is a classroom facility with faculty offices. Of modern design, the building contains 21 offices, 10 classrooms, a computer laboratory, a language laboratory, a lecture hall, a conference room, and a staff lounge.

PUBLICATIONS

The *Johnson C. Smith University Catalog* and admission materials are published by the University.

The Bull, the yearbook, is published annually by the students.

The Newsletter and the *State of the Union* are published by the Office of Development.

The JCSU News, the campus newspaper, is published periodically during the school year by the students, and the Communications Department.

The Student Handbook is published by the Office of Student Affairs as a guide to student life at the University and sets out in detail various rules and procedures to which students adhere.

The Treewell is published by the Division of Humanities.

ADMINISTRATIVE STRUCTURE

Board of Trustees

The Board of Trustees exercises final authority over all University governance within the limits of the established charter granted to the institution by the State of North Carolina. The Trustees delegate authority to various divisions of the University through the president. The officers of the University are delegated a portion of the responsibility for functions within the University. Brief descriptions of these offices and responsibilities follow.

Officers of the University

The president of Johnson C. Smith University is elected by the Board of Trustees and is an ex-officio member of the board. The other officers of the administration are appointed by the Board of Trustees upon the recommendation of the president. The following positions comprise the officers of Johnson C. Smith University; president, vice president for academic affairs, vice president for business and financial affairs, vice president for student affairs, and vice president for development.

Office of the President: All officers of the University report directly to the president and, through him, to the Board of Trustees. Reporting directly to the president are four vice presidents and the director of Institutional Research and Planning.

Office of the Vice President for Academic Affairs: The Vice President for Academic Affairs is the chief administrative officer for all academic programs. All academic officers report through this office to the president. These include the associate vice president for academic affairs, the registrar, the librarian, the director of summer school, the chairpersons of academic divisions, and the dean of the Teaching and Learning Center.

Office of the Vice President for Student Affairs: The Vice President for Student Affairs is the chief administrative officer responsible for the management of student affairs. Those department heads reporting to this office are the directors of admissions, counseling and testing, university union, student financial aid, health services, career planning and placement, upward bound, residence life, the university chaplain, and the assistant vice president for student affairs.

Office of the Vice President for Business and Financial Affairs: The Vice President for Business and Financial Affairs is the chief administrative officer responsible for the business and financial operations of the University. Reporting to this office are the assistant vice president and comptroller, director of administrative services, the personnel officer, and the director of the physical plant.

Office of the Vice President for Development: The Vice President for Development is the chief administrative officer responsible for programs of support and communication. Reporting to this office are the assistant vice president for development, director of alumni affairs, director of university relations and sports information.

Office of the Director of Institutional Research and Planning: The Director of Institutional Research and Planning is responsible for the gathering of data pertaining to the structure and functioning of the University, and the utilization of the data in assisting the administration and the Board of Trustees to chart the University's future.



STUDENT AFFAIRS

All matters pertaining to student life and welfare are delegated to the Division of Student Affairs. Functions of this Division include planning and implementing a comprehensive program of student development through such programs as orientation of new students, counseling, housing, student activities, health care, religious life, financial aid, and career services.

The Division of Student Affairs also has the responsibility for establishing policies, regulations, and procedures that relate to student life and conduct. Further, it seeks to promote student participation in the life of the campus and in student governance. As such, the Division serves in an advisory role to the Student Government Association and is responsible for the student leadership development component. The Vice President recommends and appoints students to various University-wide boards and committees. Staff in various units within the Division serve as advisers to the Yearbook, Union Program Board, Residence Hall Councils, and to numerous other organizations on the campus.

The Division of Student Affairs is comprised of nine distinct yet integrated departments which together assist students in acquiring necessary skills and competencies for holistic development. The units within the Division are Admissions, Campus Ministry, Career Planning and Placement/Cooperative Education, Counseling, Financial Aid, Health Services, Residence Life, Student Union/Student Activities, and Upward Bound.

The goals of the Division of Student Affairs are defined as follows:

- a. Orienting new students to the University environment so that they may experience a more successful transition and understand more clearly their role in the educational process;
- b. Aiding students in recognizing more fully the consequences of their behavior and enabling them to assume responsibility for their actions;
- c. Providing opportunities for positive social and cultural interaction among students, development of interpersonal and communication skills, and helping students to appreciate more fully the diversity of cultural and socioeconomic backgrounds represented on the campus;
- d. Promoting a wholesome extracurricular activities program that enhances leisure and recreation, complements the classroom learning experience, and facilitates positive interaction among students, faculty, and staff;

- e. Assisting students in becoming more fully aware of resources for financing their education, in meeting eligibility requirements, and in understanding more clearly their responsibilities as consumers and borrowers;
- f. Providing a challenging and supportive environment in which students may examine their own personal values, attitudes, beliefs, and ethics and, while in the process, cultivate principles and standards to guide their student and adult lives;
- g. Making available to students opportunities for hands-on job experience, facilitating job placement, appraising students of various career options related to their major fields of study, and promoting career development as a lifelong process;
- h. Providing a residential living and learning environment that is conducive to academic and intellectual growth, that enhances interpersonal and social skills, and fosters an appreciation for group and community living;

The Division is staffed by trained professionals who are committed to the student's total development. Personnel seek to provide services within an atmosphere of support, caring concern, and respect for all students.

Membership in The University

Attendance at Johnson C. Smith University is based on an agreement with the University, not an inherent right. Each student is obligated as a part of this agreement to observe the reasonable rules, regulations, standards, and guidelines of the University as found in the University Catalog, the Student Handbook, regulations governing life in University student residences, and other policies and procedures published as official University pronouncements.

The University functions as a viable collegiate community only when those within the community adhere to certain standards which form the framework for the harmonious interaction of the individual and corporate collectivity. In the interest of promoting order, facilitating positive individual behavior and assuring the general welfare of those who make up the college community, certain principles and standards are promulgated. The University believes that certain rights and responsibilities are indispensable to the achievement of the purposes of higher education. These rights and responsibilities accrue to administrators, faculty, staff, and students, since the viability of the institution is dependent upon the cooperation and support of each individual and group. Within the University community exists certain standards of conduct which are established as the framework for giving expression to freedom, promoting order, and preserving individuality and behavior conducive to the harmonious functioning of the community. The University's Standards of Conduct includes statements of the specific provisions governing appropriate student con-

duct and the range of sanctions that may be imposed upon persons who violate these standards. The Standards of Conduct are published in the Student Handbook, and each student has a responsibility of becoming familiar with this document and with various other publications and regulations as promulgated by the University.

The University reserves the right to cancel the enrollment of any student who breaches this agreement or who violates the rules of the University or its standards of student conduct. Such determination is made through established judicial procedures.

Disciplinary Procedures

The aim of disciplinary procedures is to encourage responsible behavior, to maintain social order, and to protect the rights of others. The implementation of disciplinary procedures is held to be a function of the educational and developmental process. Fundamental to the aim of disciplinary procedures is the principle of "due process," which provides the framework for the adjudication of student misconduct and breach of instructional policies and regulations. The spirit of the judicial process is based on good faith — a mutual trust between the University and the students.

The University's judicial system is necessary for the adjudication of differences or conflicts, misconduct, and violations. The system is comprised of the Residence Hall Judiciary Board, the Faculty-Student Judiciary Board, Residence Hall Coordinators, the Assistant Vice President for Student Affairs, and the Vice President for Student Affairs. The President of the University serves as an appeal officer for sanctions of suspension or expulsion.

Student Government Association

The official advisor to the Student Government Association (SGA) is the Assistant Vice President for Student Affairs. SGA is recognized as the official student governing body. Under the leadership of its Executive Board, SGA represents students, investigates general student concerns of student life and activity, makes reports and recommendations to official bodies of the University, and carries out other activities as stipulated in its constitution.

The holistic development of students is enhanced and facilitated through programs, activities, and services which cultivate and promote leadership skills. Through its various activities the Student Government Association provides a viable means by which students may cultivate, apply, and develop lifelong leadership skills.

Orientation

Orientation of new students is continued throughout the new student's first semester. The purpose of orientation is to assist freshmen and new students in their transition to college life and to Johnson C.

Smith University in particular. Integral components of the new student orientation program are the pre-fall and pre-spring sessions in which students meet faculty, tour various campus resources, and become familiar with college dynamics. The orientation course, which represents another phase of the orientation program, is a two-credit course which all new students must take during their first semester of enrollment. Attendance at selected University convocations is also a component of the orientation course. Major aims of the orientation program are as follows:

- a. To acquaint new students with University policies, procedures, traditions, services, and regulations;
- b. To provide students with information concerning the issues and problems encountered during the first year of enrollment;
- c. To assist students in developing career goals and objectives;
- d. To help students assess their role in the educational process, including their purpose for being in college and how to actively participate and succeed as scholars;
- e. To help students develop fundamental study skills and habits.

Campus Ministry

Religious activities on the campus are aimed toward creating an environment in which persons may realize as fully as possible their potential for spiritual growth. In the fulfillment of this function, campus ministry endeavors to serve the interpersonal and personal needs of the campus community as such needs are related to spiritual and religious life. It provides activities offering opportunities for individual and group expression of religious interest and services, e.g., worship, seminars, and workshops. Organizations which channel the talents and commitment of students in the religious life of the campus are also under the sponsorship of Campus Ministry: Student Christian Association, and spritual choirs. Counseling as it relates to religious concerns and problems is provided through Campus Ministry. It also serves as a liaison between the campus and the religious community of the greater Charlotte area.

Student Union and Student Activities

The University Memorial Union is more than simply a building — it is an organized program having as its major goal the facilitation of the holistic development of the student — the whole person. It serves as a laboratory training site for students developing social leadership and responsibility, fosters a closer relationship between study and leisure time, offers opportunities for self-actualization, and encourages the development of competency in individual and group interaction. It is a community center for the campus, fostering social, recreational, cultural, educational, and individualized interest activities.

The program of student activities is a means by which students engage in living-learning experiences in an informal curriculum apart from the classroom. It is intended to provide activities for the development of responsible group participation and avenues for social interaction, for creative use of leisure time, and for cultivation and expression of varied students' interests.

The program is administered through an organizational structure consisting of a professional staff and a Union Program Board which functions through six committees: social, recreational, publicity, fine arts, film, and hospitality.

The Memorial Union building houses the operations of the Union Program Board, Student Government Association, and the Student Lounge. Meeting and conference rooms are available to the entire University community. Further, the Greenlee-Spaulling Dining Hall, snack bar, the University Post Office, bookstore, health center, J.A. Grimes Lounge and faculty/staff dining room are housed in the Union building.

This office is also responsible for maintaining a list of all registered student organizations and for registering those organizations that wish to remain active on the campus. Cooperative efforts are engaged in with residence hall staff, officers of student organizations, faculty, and staff to help promote an understanding of the Union's resources. Individuals and groups needing assistance in planning and implementing activities may seek assistance from the Office of Student Union and Student Activities. Activities provided include concerts, lectures, carnivals, workshops, dinner theaters, tournaments, cabarets, receptions, and banquets which allow for interaction among members of the entire University community. Efforts are also made to include faculty and staff in various departments to promote activities germane to their respective disciplines. The main objective is to help enhance the Student Union and Student Activities program as an instructional resource.

Eight national Greek-letter fraternities and sororities are recognized on campus and are governed by the Pan Hellenic Council: Alpha Kappa Alpha, Alpha Phi Alpha, Delta Sigma Theta, Kappa Alpha Psi, Omega Psi Phi, Phi Beta Sigma, Sigma Gamma Rho, and Zeta Phi Beta. Other Greek-letter organizations, including Alpha Phi Omega Service Fraternity, Tau Beta Sigma Band Sorority, and Kappa Kappa Psi Band Fraternity, are active on the campus.

The Office of Student Affairs is also responsible for advising and orienting international students, as well as for assisting them in understanding regulations which facilitate their transition to the institution and the community.

Financial Aid

Application Procedure. A student must file an application for student financial aid each academic year. One annual application, when properly complete, will place the applicant in consideration for any aid funds administered by the Student Financial Aid Office. Applications should be filed with the Director, Office of Student Financial Aid, Johnson C. Smith University, Charlotte, North Carolina 28216.

All applicants for financial assistance must submit a statement of financial resources. All students and parents are requested to complete either the Family Financial Statement (FFS) which is processed by the American College Testing Service (ACT) or the Financial Aid Form (FAF) which is processed by the College Scholarship Service (CSS). These applications can be used for the Pell Grant Program also. All information and instructions should be read carefully and in their entirety to ensure that the application has been completed correctly. These forms are available at high school guidance offices and at the Student Financial Aid Office at the University. Students who expect to receive academic scholarships, athletic grants, or music grants must submit their applications in the same manner as those who apply for federal assistance. Submission of materially false information in the application or statement will subject the student to immediate revocation and termination of any financial aid. Such revocation of aid shall be made by the Vice President for Student Affairs. An appeal of this decision may be made to the President whose decision shall be final.

The institution's financial aid office will accept either the Financial Aid Form processed by the College Scholarship Service (CSS) or the Family Financial Statement processed by the American College Testing Service (ACT).

As a general rule, the deadline for all applications is April 15 of each year; however, applications are accepted after this date for students who are admitted after April 15.

A student's eligibility for the Pell Grant award is taken into account in the amount of aid awarded from funds administered by the institution. The Pell Grant will likely constitute a considerable portion of the total amount of aid awarded; however, it is imperative that applicants file Pell Grant applications as soon as the forms are available.

Eligibility for Student Financial Aid

Students are considered to be making sufficient academic progress to remain eligible for student financial aid if they maintain an academic average according to the scale which appears in the academic program section.

The current policy regarding Satisfactory Academic Progress is subject to change.

Students who become ineligible because of academic probation will remain ineligible until the conditions of satisfactory academic progress are met. Students who withdraw from the University after eight (8) weeks of attendance will not be entitled to receive financial aid for the next semester.

Transfer students must meet the same requirements as regular students to be eligible for financial aid. Various programs offered through State agencies carry eligibility requirements which include satisfactory progress. Some Guaranteed Student Loan Programs also require the completion of at least 30 hours per academic year and a 2.00 cumulative GPA.

Maintenance of Student Financial Assistance

All students expecting to receive financial assistance from sources through Title IV programs and/or Institutional funds must meet certain minimum standards to show progress towards completing graduation degree requirements. The scale located in the section titled "Academic Programs" will show minimum standards needed to maintain eligibility for financial assistance.

Students will be reviewed at the end of their second semester of enrollment to determine the status of their academic progress. After the second semester of enrollment, reviews are made on a semester basis. However, the institution recognizes that in some cases the students may not be performing at a level where it is mathematically possible for them to complete the minimum requirements within an academic year. In these cases, the institution will notify the student of his/her eligibility to continue to receive financial assistance.

WITHDRAWALS — Individuals withdrawing from the University within the first eight weeks will not be penalized for unsatisfactory progress. However, students who withdraw after the eight week period will not be eligible to receive financial assistance for the next semester. Consideration will be given to students who withdraw for medical reasons or extreme family hardships. Written verification will be necessary to prove such cases. The Committee on Admissions, Academic Standards and Financial Aid will review such cases.

REPEATED COURSE/INCOMPLETES — For purposes of receiving Federal funds under Title IV Student Financial Aid Programs, students receiving incompletes and/or repeating course work must, to the extent possible, successfully make up those credit hours within the subsequent semester in which the student is enrolled. Consideration will be given in cases where such coursework is not offered in the subsequent semester. Extension of time may be granted by the Committee on Admissions, Academic Standards and Financial Aid.

DEGREE/GRADUATION REQUIREMENTS — In all cases students must be working toward graduation/degree requirements. Individuals taking more than five academic years in succession to complete the

necessary requirements may be refused financial assistance. Each student will be reviewed by the Committee on Admissions, Academic Standards and Financial Aid to determine the progress made toward the completion of degree requirements.

Appeals Procedure

Any student who wishes to appeal a decision made by the Committee on Admissions, Academic Standards and Financial Aid must submit a written statement indicating why the review of the academic record is being requested. Appeals should be forwarded to the Chairperson of the Committee on Admissions, Academic Standards and Financial Aid, Johnson C. Smith University, Charlotte, North Carolina 28216.

Upward Bound

Upward Bound is an academically-based college preparatory program designed to help high school students who might not otherwise attend college enroll in postsecondary education. The students participate in a variety of academic, cultural, and social activities that serve as a springboard for the college experience and adult living.

During the summer, selected students participate in a six-week residential experience which serves to emulate the freshman year in college. During the academic year, students attend after-school tutorials, Academic Saturday sessions, and a variety of other activities to enhance their academic performance and social growth.

Upward Bound also includes a curriculum that is designed to develop within students competencies in basic academic skills, creative thinking, effective expression and communication, and positive attitudes toward oneself and learning.

Ninety-five percent of Upward Bound participants enroll in some form of postsecondary education.

Residence Life/Living and Learning

Housing for students is provided in University-operated student residence halls. An individual must be admitted to the University before an application for housing will be accepted. The housing application must be filed each year. It is accompanied by the "Terms and Conditions of Occupancy — Student Housing Agreement" and should be read carefully and in its entirety before the student signs the housing application/contract. Acceptance of a housing assignment constitutes an agreement by the student to the terms and conditions accompanying the assignment.

The application for housing must be accompanied by a refundable deposit, which is a part of the procedures for being admitted to student housing. This deposit is not applied to the student's cost of room

and board but is refundable to the student if the room is left in good condition at the time the student graduates or otherwise terminates his or her matriculation for academic or medical reasons.

Notification of approved housing is given via a "Student Housing Assignment" form which is sent to the student. Since enough space to house all students who wish to live on campus is not always available, some students run a risk of not being able to secure on-campus housing. Such individuals should have made definite arrangements for off-campus housing prior to coming to the University. The Office of Residence Life/Living and Learning maintains a list of names of persons in the community who provide housing to students, although the University assumes no responsibility for the condition of such housing, terms of accommodations, supervision, etc.

Student housing and residential life are important parts of the student's educational experience. The "living and learning" focus represents an essential focus and emphasizes student growth through residence hall programs. Through its programming efforts students develop personal, recreational, social, and interpersonal relationships. Students are also encouraged to participate fully in all hall activities and in their respective hall governance either by serving as an officer or actively voicing their concerns and opinions in residence hall matters.

Career Planning and Placement/Cooperative Education

Career Planning: Students are assisted in career exploration and planning through career and vocational counseling and through the maintenance of a library of career information.

Job Placement: The Career Planning and Placement Center provides assistance in seeking part-time, summer, and career employment. The center maintains contact with business, industry, school systems, government, and nonprofit and educational organizations. It provides job listings and schedules campus recruitment visits and interviews by representatives of these organizations. Credential services are provided for those persons who are registered with the center. These services are available to undergraduates, graduating seniors, and alumni. Students are given assistance in interview techniques, in techniques of job seeking, and in selection of positions in which their training and capabilities will best be utilized.

Cooperative Education: The Cooperative Education Program is designed to expose students to the actual world of work in order to assist them in applying the knowledge and principles learned in the classroom to work experience. This program integrates classroom experience with on-the-job work experiences in industry, business, or service occupations.

Participation in the program could cause graduation to be delayed by one or two semesters, but the rewards are well worth the delay.

Counseling Center

The Counseling Center is designed to offer support services and programs that assist students holistically with academic, personal, and social growth during their University experience. A primary emphasis is in fostering the students' productive development in ways that assure satisfactory progress toward the goal of graduation. Counseling services are available to all students.

Educational support programs are offered through a satellite outreach program which is designed to contribute to student success.

A program of services in four interrelated components comprise the Counseling and Testing Center: (1) individual and group counseling, (2) testing and assessment, (3) educational support, and (4) academic advisement for undeclared majors.

Individual counseling is available within a confidential relationship with students who discuss their individualized concerns and difficulties on a one-to-one basis. Group counseling offers individuals the opportunity to explore concerns with their peers in a supportive setting.

Testing and assessment are provided to meet the needs of students who must satisfy University requirements and or take pre-professional and/or graduate school admission examinations. An assessment of personal perceptions for increased self-awareness is also available among the battery of tests administered.

Educational support programs are offered through seminars, film, and outreach efforts on a variety of topics, such as test taking, study skills, and time management. This enabling approach to improve academic performance addresses a broad-based subject area that includes such issues as male-female relationships, drug and alcohol awareness, study skills, communication, and wellness.

Academic advisement is provided for undeclared majors who need assistance with class scheduling and with planning an educational program. Students' progress is monitored periodically throughout the semester and the results used as a basis for discussion and planning academic schedules, for identification of interests and potential majors, and so on.

The professional services of the Counseling Center are sought by students for many reasons: emotional, social or developmental difficulties; concerns related to academic progress or direction; relationship problems with peers, family members, faculty, and so on; and assistance with referral to community agencies. In addition to its service objective to help students successfully complete college, the Counseling Center also has a deep interest in helping students achieve a productive and satisfying life.

Counseling services at the University exist for two basic purposes: (1) to provide the kinds of assistance which students need in order

to pursue their academic and life goals in the most satisfying way, and (2) to break down barriers that prevent students from seeking help when it is needed.

The mission of the Counseling Center extends into the total college community and makes full use of its resources, particularly in such areas as mental and emotional health, alcohol and drug education, and wellness. The tasks of the Counseling Center are as concerned with prevention and the personal development of students as with prescriptive career counseling, academic advising, and individual and group counseling.

The Counseling Center is a vehicle for helping students “connect” college life to the classroom, and for developing fluency in answering the questions of “Who am I?” and “What Will I be?”

The counselors are experts on students’ expectations, needs, aspirations, and interests and are able to articulate them to others in the University environment. A major responsibility of the counselors is to help identify the climate of the University and to help students make maximum use of its positive aspects as well as contend with its negative forces. This high level of personal involvement and concern for the individual student is the hallmark of the Counseling Center’s program.

The Counseling Center is responsible for processing all student withdrawals from the University. Efforts are made to determine why students are leaving the University and to intervene as appropriate so that students may persist and meet their educational objectives.

Health Services

The University through its Health Center provides routine medical health care for the treatment of minor injuries and illnesses. Health supervision and medical care are delivered through a staff of nurses and a part-time physician.

Each student is required to submit a complete physical examination report before registration. Also, former students who have not been enrolled for a period of one year or more are required to submit a current health examination form before registering. North Carolina law also requires that each student submit proof of having received certain immunizations. Such documentation must be on file within thirty days of the beginning of the semester, or the student will be administratively withdrawn from the University in accordance with state law.

Individuals reporting to the Health Center for care may be given initial doses of some medication. Prescriptions for subsequent medical needs will be given to the student at his or her expense. Specialists are sometimes needed for students’ illnesses and injuries which require care beyond the services available through the Health Center. In such instances, Health Center staff will refer students to recom-

mended specialists. Students in need of hospitalization will be referred to local hospitals. The cost of all health care services provided outside the Heath Center is the responsibility of the student and his or her parents.

As a rule, the University does not provide transportation for medical care and attention. It does, however, provide a cab voucher system which facilitates the transportation of students to community health care providers. Ambulance services are available for use in case of serious illness or injury. Costs for ambulance services, hospitalization, etc., are the responsibility of the student and his or her parents.

Student accident and sickness insurance is provided as a part of the student health care program. All students are included in the insurance program at a nominal cost paid at the time of registration. The insurance is provided as a supplement to the coverage available through the student's family insurance plan. The insurance program is not intended to be comprehensive or to replace the family's responsibility for the student's health care. The cost of health care provided outside the Health Center and/or not covered by the student accident and sickness insurance plan is solely the responsibility of the student and his or her parents.

ATHLETICS

Physical education, health, and athletics are considered integral parts of the total educational program offered at Johnson C. Smith University.

The University is a member of the Central Intercollegiate Athletic Association, the National Collegiate Athletic Association, The National Association of Intercollegiate Athletics, the American Tennis Association, and the National Intramural Association.

POLICY STATEMENT ON INSTITUTIONAL SCHOLARSHIPS

While Johnson C. Smith University is committed to providing needed scholarship funds to students who have exemplified academic excellence, resources that are currently available can only be appropriated to assist in covering direct educational costs. These costs may include tuition, fees, room, board (when applicable), and books.

Additionally, financial assistance provided through the University is based on "need". The "need" factor is determined by the amount of financial assistance and available resources a student receives subtracted from the institution's budget. While total educational budgets may exceed direct educational costs, gift aid and/or scholarships that are packaged with other Federal or State aid, or singularly awarded, may not exceed direct financial need. Therefore, if a student receives

additional financial assistance from any outside source, the institution reserves the right to reduce the amount of gift and/or scholarship assistance accordingly.

Johnson C. Smith University Scholarships may consist of funds which the University has solicited from external agencies. Examples may include UNCF Scholarships, Fleischmann Scholarships, Duke Scholarships and other scholarship funds received from external agencies. Hence, students receiving such external scholarships may have their original awards adjusted to prevent total scholarship awards from exceeding demonstrated financial need.

Specific reasoning for this pertains to 1) the availability of funds and 2) the equitable distribution of funds to all students who have proven academic excellence.

TYPES OF STUDENT FINANCIAL AID

Grants

The Pell (Basic) Grant Program: The Education Amendments of 1972 authorized a new program of financial aid, the Basic Educational Opportunity Grants (BEOG). This program provides awards to students based on an eligibility index as determined by a central processing agency. The grant provides up to one half of the actual cost of attendance at the institution but must not exceed the student's determined need. A Pell (Basic) Grant application must be filed each year according to instructions. Students may obtain forms from high school guidance offices, post offices and Johnson C. Smith University's Financial Aid Office.

Supplementary Education Opportunity Grant (SEOG). The purpose of the SEOG Program is to provide grants to students who demonstrated financial need. Amounts of SEO Grants will be determined by the funds available to the institution.

Athletic Grants-in-Aid: Grants-in-Aid are available to students with athletic ability. Awards are made for performance in football, basketball, track, tennis, golf, and swimming, but recipients must be recommended by the coaches in each department.

Loans

National Direct Student Loans: The National Direct Student Loan (NDSL) Program, formerly the National Defense Student Loan Program, is supported by contributions from the federal government, the institution, and repayment from previous borrowers. These loans are available to undergraduate students, dependent upon the extent of the student's need and the availability of funds.

A borrower for his first two undergraduate years may receive up to \$3,000. A borrower who has completed two undergraduate years

may borrow up to \$6,000. The maximum NDSL is \$12,500 for dependent students and \$15,000 for independent students.

Repayment of National Direct Student Loan does not begin and interest is not charged as long as the borrower is enrolled at least half time at a institution of higher learning. Repayment of principal, plus 5% per annum, begins six months after the borrower ceases to be at least a half-time student. A ten year repayment period is possible for large indebtedness. The repayment periods can be extended to ten additional years for proven low income individuals.

Repayment installments may be postponed for a maximum of three years if the borrower is a member of the military service, Peace Corps, VISTA, Public Health Service, temporary total disability, and service in an internship proceeding professional practice i.e. doctor, law.

Guaranteed Student Loan: The Guaranteed Student Loan Program provides loans from private lenders (banks, credit unions, and the like). Interest is at 8% per year for new borrowers with the federal government paying the interest during the period for those students who qualify for the federal interest benefit. The interest rate is 7% or 9% for students with old outstanding Guaranteed Student Loans.

Procedures for applying for Guaranteed Student Loans may differ in each state. Application forms may be obtained from the lending agency or from the Financial Aid Office at the University.

Loans to Parents: Parents may borrow up to \$3,000 per year for the student's educational needs. Repayment is required to begin 60 days after disbursement. There is no in-school federal interest subsidy on these loans. Parents may contact the guaranteed loan agencies in their states for further information. The maximum aggregate loan is \$15,000.

Part-Time Employment

College Work-Study: The federally supported College Work-Study Program provides jobs for students clearly in need of assistance to enter or to continue in school. Jobs are available in all areas of the University.

Students approved for the College Work-Study Program are allocated a specific number of hours which they may work during the academic year, based on the extent of their financial need. Usually a student works fifteen hours per week. Annual renewal of a Work-Study assignment is dependent upon the student's application for the job, the financial need, and the employer's satisfaction.

Institutional Work Aid: The University provides funds for employment of a limited number of students who show lesser need or who do not qualify for the federal College Work-Study Program. The Institutional Work Aid Program follows the same principles of the College Work-Study Program in terms of hours, wages, and pay periods. Payment is made as a direct credit to students' accounts.

Scholarships and Awards

Academic Scholarships: Scholarships are awarded on the basis of a student's academic achievement. They are meant to recognize, encourage and assist young men and women who demonstrate leadership potential in a chosen field of study. Financial need generally is not a factor in making these awards, although the amount of the stipend assigned to each winner will vary with financial circumstances of the recipient.

Funds for these awards are made available through endowments contributed by concerned individuals and organizations.

A limited number of academic scholarships (Duke Scholars) are offered in the freshman year, primarily to participants in the Honors Program. Recipients are selected from high school seniors with very high scores on the Scholastic Aptitude Test (SAT) and exceptional high school records. Scholarship to recipients who maintain the highest cumulative averages, 3.00 (B) and above, will be considered for renewal if funds are available.

North Carolina Scholarships: Johnson C. Smith receives state support based on the number of North Carolina residents enrolled. All in-state students who apply for aid from the University and show need for financial assistance will be given consideration for these scholarships.

Music Scholarships: Music scholarships are available to persons who demonstrate exceptional skills in choir and band. Recipients of these awards must be recommended by either the choir or the band director at Johnson C. Smith.

Johnson C. Smith President's Club

These awards were initiated by Dr. Wilbert Greenfield, the tenth president of Johnson C. Smith University. Presidential scholars are chosen from students in the rising Sophomore, Junior, and Senior classes with the highest academic average.

Jack S. Brayboy Award

This athletic award was established as a memorial. Dr. Brayboy was former Athletic Director and Vice President for Administrative Affairs. This endowed scholarship award is given to the athlete with the highest academic average.

Reader's Digest Endowed Scholarship

This scholarship is provided by a grant from the Reader's Digest Foundation through its scholarship program. The annual income from the fund makes scholarship assistance available to highly qualified upperclassmen who prove to be in need of financial assistance.

National Presbyterian College Scholarship

This scholarship is for superior young people preparing to enter as freshmen into one of the fifty-two (52) colleges related to the Board of Christian Education, United Presbyterian Church, USA of which Johnson C. Smith University is included.

Greyhound Trailways Corporation Scholarship

Incoming Freshman with definite financial need and the potential to attain passing grades may qualify for this scholarship.

Armour-Dial Scholarships

This scholarship is for sophomores only. Student(s) must have received a Greyhound Corporation scholarship during his or her freshman year. The Armour-Dial award will be in the same amount the student(s) received as a freshman. Awardees must have passing grades.

Jefferson Pilot Broadcasting Scholarship

This is an award established by a Charlotte based broadcasting company for highly qualified students needing financial assistance.

Morrison Scholarship Award

The Morrison Scholarship Fund was established at Johnson C. Smith University by Eugene C. Morrison in memory of his mother and father, Susie and James Morrison. The income derived from the endowment is awarded to a student who is in need and demonstrates integrity, ambition and the ability to become involved.

J.A. Jones Construction Company Scholarship Fund

Established by the J.A. Jones Construction Company to promote academic excellence, it is awarded to National Merit Scholarship semi-finalists and National Achievement Scholarship Program semi-finalists.

Edward J. Weddington Scholarship Fund

This award is named in honor of a 1947 Johnson C. Smith alumnus. This scholarship is restricted to students interested in the area of Music.

Dr. and Mrs. Simon H. Scott Memorial Fund

Students will be considered for this scholarship from the Atlantic Presbytery. Recipients will be selected by the family.

Dewey M. Clayton Award

This award is named in honor of a 1947 alumnus of the university who served on the Board of Trustees. This award is given to students interested in Pre-Med and Science.

Horace A. Davenport Scholarship Fund

This is a recently endowed scholarship fund established in the honor of the judge now serving in Pennsylvania and on the Board of Trustees of the University.

Duke Endowment Scholarships

The Duke Endowment is a perpetual trust created by James B. Duke in 1924. These awards are given by the James B. Duke Foundation. Awards are given to students with high academic promise and honor averages.

The Rev. Dr. Raymond Worsley Scholarship

This scholarship is in cooperation with the First United Presbyterian Church of Charlotte, North Carolina and awarded to a student who

has been selected in accordance with guidelines approved by the Office for Academic Affairs.

The A. O. Steele Scholarship is given by the Community Leadership Training Class in Religion to the freshman making the highest yearly average in religion.

The Jefferson Standard Scholarship of \$600 is provided annually by the Jefferson Standard Foundation for a major in business administration.

The Samuel W. Byuarm Award, presented by the National Council of Christians and Jews, is for students who have demonstrated an interest in promoting human relations.

Neal-Brooks Award

This award was started by students in honor of two chemistry professors, Mrs. Vietta Neal and Dr. U.S. Brooks. Students majoring in mathematics and the sciences are eligible for the award.

Other Forms of Educational Assistance

Other sources of financial aid not administered by the Student Aid Office are available for assisting students in meeting their educational expenses. Assistance from outside agencies or programs may provide the full amount needed by the student, or it may be combined with an award from the University to meet this need. Information about other forms of aid can be made available upon request.





ADMISSIONS

ADMISSIONS POLICIES

Johnson C. Smith University will accept, without regard to race, color, sex, or national origin, all qualified applicants approved by the Admissions Committee.

Admission to the freshman class is generally limited to recommended graduates of accredited secondary schools who rank in the upper two thirds of their class and who have taken the College Board Exams (SAT). These students should have a minimum of sixteen units, including four units of English, two units of mathematics, two units of social science, and one unit of science.

Johnson C. Smith University will accept a limited number of academically high risk students. Generally, however, applicants graduating in the fourth quarter of their class and those making a low SAT score may not be considered for admission.

The Admissions Committee, after reviewing the total record of an applicant, may decide one of the following: first, to admit the student to the regular freshman class but to require the applicant to take such needed courses as may be determined by the placement tests; second, to offer suggestions of other educational programs which may better serve the applicant's needs.

Submission of materially false information in the application or school transcript will subject the student to immediate revocation and termination of his or her acceptance for admission. Such revocation of admission and enrollment shall be made by the Vice President for Academic Affairs. An appeal of this decision may be made to the President, whose decision shall be final.

FORMAL APPLICATION

Every candidate for admission must make formal application to the director of admissions. The student must request an application from the director of admissions, complete it properly, and return it with the application fee of ten dollars (check or money order made payable to Johnson C. Smith University). **THIS FEE IS NOT REFUNDABLE.**

Applications for admission are accepted at any time during the year, but all credentials must be on file in the Office of Admissions at least two months before the beginning of the semester in which the applicant plans to enter.

BASIS FOR SELECTION

The decision of admittance is based on the following:

1. Secondary school record.
2. Level of performance on the Scholastic Aptitude Test of the College Entrance Examination Board (SAT)
3. Predicted degree of success based on class rank, size of class, and standardized test scores

ACCEPTANCE NOTICE

The application for admission will be processed immediately after the required credentials have been received, and the student will be notified of the decision of the Admissions Committee. A permit to register will be mailed to the approved applicant after the final records, the certification of graduation from high school, and the pre-entrance medical record have been received. **APPLICANTS WILL NOT BE ALLOWED TO ENROLL IN JOHNSON C. SMITH UNIVERSITY WITHOUT A HEALTH RECORD ON FILE IN THE UNIVERSITY HEALTH CENTER.**

Applicants for admission may arrange to visit the University. This visit, however, is not a requirement for acceptance. Appointments for such visits should be made in advance.

TRANSFER STUDENTS

An applicant from another accredited college or university may be considered for admission to Johnson C. Smith University if the student has an overall average of C or above. No transfer credit is given for any course in which the applicant has earned a grade below C. Each transcript is evaluated on its own merits in light of its conformity with the program of study in the curriculum of Johnson C. Smith University.

The Admissions Committee will consider favorably only transfer applicants who are in good standing with the institution from which they are transferring.

The University generally will accept a maximum of sixty-four credit hours from a junior college, and ninety from four year institutions. Credit hours, not grade points, are transferred.

EARLY ADMISSIONS

Johnson C. Smith University will consider those high school students who have completed their junior year and accrued 15 carnegie units. They must present evidence of accelerated academic performance and maturity. The Admissions Committee will not consider an applicant without the parents' and proper high school officials' consent. Scholastic Aptitude Test scores and interviews are required.

FOREIGN STUDENTS

A prospective foreign student is required to submit the following materials before an admissions decision can be reached on the application:

1. An application form furnished by the director of admissions
2. An original or a certified photostatic copy of a transcript of work completed on the secondary level and, if applicable, on the college level
3. Evidence or proof of proficiency in English (TOEFL)
4. A statement indicating that the applicant's financial resources will enable the student to meet U. S. study costs
5. One full year of tuition and fees is required as a retainer fee before the release of the I-20 Form if you live off campus. If you live on campus, one full year of tuition, fees, room and board are required before the release of the I-20 Form.
6. Three letters of recommendation sent directly from their respondents
7. A health certificate
8. A foreign student attending another U. S. institution will not be considered for admission on a transfer basis until the applicant has completed at least one semester—preferably one year—of study at the institution which issued the I-20 form.

SPECIAL STUDENTS

High school graduates may enter Johnson C. Smith University for the purpose of taking certain courses without becoming candidates for a degree. They will not be subject to the specific requirements for admission but must prove to their instructors the ability to pursue successfully the courses for which they have registered. Such students may later become candidates for a degree by meeting all entrance requirements. Special students will not participate in intercollegiate athletics or other student activities. They will be subject to the same rules and regulations as regular students. APPLICANTS WHO HAVE DONE PREVIOUS COLLEGE WORK MUST BE ELIGIBLE TO RETURN TO THE INSTITUTION LAST ATTENDED. FINAL APPROVAL FOR ADMISSION IS NOT GRANTED UNTIL OFFICIAL DOCUMENTATION IS ON FILE VERIFYING HIGH SCHOOL GRADUATION.

PART-TIME STUDENTS

Persons who wish to become candidates for a degree and can not attend full-time may enroll for a reduced number of credit hours as a part-time student, but must meet the same admissions requirements as full-time students.

READMISSION OF FORMER STUDENTS

A student who has withdrawn in good standing and who subsequently seeks readmission must apply in writing through the Admissions Office. Re-entering students **MUST** receive notice of approval before returning to the University. Students who receive academic suspensions must apply in writing through the admissions committee.



FINANCES

REGULAR FEES

The fees and charges listed herein are applicable to all students. In addition to regular fees and charges, a separate listing of special fees and charges is provided for those persons who may be affected. Travel, clothing, books, and other personal expenses are not included. However, the cost of textbooks and supplies can be expected to average at least \$400.00 per year or \$200.00 per semester.

FEE SCHEDULE FOR 1988-89

Regular Session Fees	Per Semester	Per Year
Tuition (Full-Time)	\$1,929.00	\$3,858.00
Mandatory Fees		
Student Union/Activity Fee *	55.00	110.00
Athletic	35.00	70.00
UNCF	5.00	10.00
SGA.....	27.50	55.00
Yearbook **	14.50	29.00
Lyceum Programs	13.00	26.00
Insurance***	40.00	80.00
Newspaper	7.00	14.00
Health Fee	<u>48.00</u>	<u>96.00</u>
Total Tuition and Fees	\$2,174.00	\$4,348.00
Room Charge	503.00	1,006.00
Board Charge	<u>520.00</u>	<u>1,040.00</u>
Total Tuition and Fees	\$3,197.00	6,394.00
Additional Charge for		
Residence of Greenfield Hall.....	<u>\$ 97.00</u>	<u>194.00</u>
	\$3,294.00	\$6,588.00
Additional charge for students who subscribe to telephone service (Required for Freshmen).....	\$140.00	
Charge Per Credit Hour..... (Fewer than 12 hours)	\$161.00	
Freshman Orientation & Matriculation Fee (One time charge for Freshmen and Transfer Students)	50.00	

* Student Union/Activity Fee includes \$5.00 annual charge for bus transportation to athletic events and other University sponsored events held off campus.

** Fees paid for student year book and insurance are non-refundable. Students entering Spring semester are required to pay the total fee for the yearbook.

*** Student Health Insurance fee is subject to change based on actual premium costs.

Tuition, fees, room and board charges are subject to change.

PAYMENTS

Total semester fees and charges are due and payable in full on or before registration of each semester. Any student not making the required full payment of fees and charges will be assessed an additional fee of \$25.00 per semester for partially defraying the cost of handling an installment arrangement.

Please mail payments not less than two weeks prior to due date or pay in person at the time of registration. Students are strongly urged to pay in advance to reduce the registration procedure time. Remittance of money for school expenses must be made by certified check or money order payable to Johnson C. Smith University. Address payments to the Cashier’s Office, Johnson C. Smith University, Charlotte, North Carolina 28216.

Any student desiring an installment arrangement should contact the Financial Affairs Office for plans available. The Financial Aid Office will provide information regarding other Student Loans.

INCIDENTAL FEES	Per Year
Parking (Day Students).....	\$10.00
Parking (Boarding Students).....	15.00
Admission Application Fee—New Students	10.00
(No refund or credit on account)	
Room Reservation Deposit (One Time Fee).....	50.00
Installment Fee (per semester)	25.00
Meal Card Replacement Fee	10.00
ID Card Replacement Fee.....	10.00
Graduation Fee.....	55.00
Student Teaching Fee	30.00
Music Private Lesson Fee (one-half credit hour).....	15.00
Music Instrument Use Fee (per semester)	10.00
Transcript Fee (after first).....	3.00
Late Registration Fee (per day; maximum \$30.00)	10.00
Dormitory Lost Key Fee.....	5.00
Bad Check Charge (each time returned)	15.00
Excess Credit Hours (per hour).....	100.00
Removal of Incomplete Grade, per course	2.00

AUDITING COURSES

Auditing of courses is open, without credit, to any person upon the payment of all applicable fees. Currently enrolled full-time students may audit courses without additional charges unless total hours exceed eighteen. An auditor is not required to participate in class discussions, to prepare assignments, or to take examinations.

REFUNDS

Eligibility: A student is only entitled to a cash refund when an excess amount of cash has been paid by the parents or the student. The cash refund is calculated on the pro rata share of cash paid and all federal/state restricted scholarship aid received by the student for a semester. The unused share of Pell (Basic) Grant, SEOG, NDSL, state grants, and restricted scholarship aid will be removed from the student’s account and redeposited in the respective budgets.

Withdrawal from the University: A student entitled to a cash refund for withdrawing officially from the University must complete the following steps: first, secure six withdrawal cards from the Counseling and Testing Center; second, complete all necessary data; third, obtain official signatures on the card from the counselor, librarian, registrar, Vice President for Academic Affairs and financial officer (the registrar will notify the faculty); fourth, return all of the signed cards to the Office for Academic Affairs.

NOTE: If the student has a meal card, it must be deposited in the Office of Financial Affairs on the same day that the withdrawal cards are submitted.

Students leaving the University at any time after registration without officially withdrawing will be ineligible for a refund.

Adjustment of Fees: The following schedule will be used in making cash refunds for withdrawing:

Withdrawal Periods (Weeks are counted from first official day of class)	Percent of Refund
1 - 2 weeks	85%
3 - 4 weeks	70%
5 - 8 weeks	45%

After eight weeks a student is liable and must pay for all tuition and refundable fees incurred during that semester.

Changes in Academic Hours: A full-time student is one who is registered for twelve or more hours. Students must pay for all hours in excess of eighteen. A student charged for hours in excess of eighteen at registration must drop these within fifteen calendar days from the first day of registration in order to have charges removed.

A student who is registered for twelve hours or more and decides to reduce the number below twelve hours must do so within fifteen calendar days from the first day of registration in order to have charges removed. Charges will be computed on a per credit hour basis for students officially registered for fewer than twelve hours, and the student will be classified as part-time.

There will not be any charges for changes when the registered course level is between twelve and eighteen hours.

Academic Dismissal, Disciplinary Dismissal, Submission of Materially False Information. Any student dismissed from enrollment at the University at any time during the semester for academic or disciplinary reasons, or for the submission of materially false information in any admission application or transcript shall not be entitled to any refund, any fees, including tuition, that have been previously paid, and shall be liable for any fees that remain unpaid for that semester. Students whose financial aid has been revoked and terminated for submission of materially false information in any application or statement shall be immediately liable for full payment of all fees not previously paid. Students dismissed for the reasons specified herein, or who have their financial aid revoked, shall save, hold harmless and indemnify the University with regard to any third party claim for payment, refund, reimbursement or other payment of any fees.

SPECIAL NOTICES AND EXPLANATIONS

1. The University reserves the right to increase or to decrease all fees and charges and to add or to delete items of expense without advance notice as circumstances, in the judgment of the administration, may require. The University is not contractually obligating itself to any fees specified herein, but merely sets these out as estimates of approximate cost.
2. The official date for a student to withdraw from the University is the date affixed upon completion of the withdrawal process. The withdrawal forms are filed with the Office of the Director of Counseling and Testing.
3. Room and Board rates are based on the average cost of operations for the entire school year. These rates include provision for services only during the scheduled operational days. Therefore, allowances have been made for the Christmas and spring holidays when these facilities are closed. Every student must vacate the campus premises during these two vacation periods.
4. The University is not responsible for theft or damage to any student's personal property arising from any cause.
5. Students who, through malicious or negligent conduct, lose, damage, or abuse University property will be subject to disciplinary action and will be required to pay, at replacement cost, for such loss or damage.
6. Personal spending money or allowances should be sent directly and made payable to the student in the form of money orders or certified checks. The University cannot cash personal checks for students.
7. All students are required to satisfy their financial obligations to the institution by November 1st of the Fall Semester and by March 15th of the Spring Semester. Students who fail to meet their obligations or do not make satisfactory arrangements for

payment with the Business Office will be dismissed from the University at that time for non-payment of fees. The diploma and transcripts of records will also be withheld until the student has paid in full all fees and charges due the University. Further, students will not be allowed to register for any subsequent semester until the obligation has been satisfied.

8. Student teachers who are boarding students at the University will be granted credit on their accounts for meals missed during their absence from the campus, provided the meal card is surrendered at the Business Office prior to their official leave. No credit will be allowed on room rent or other fees.
9. The student is responsible for personal laundry and dry cleaning.
10. Cooking or the use of electrical or mechanical cooking appliances in the University residence halls is prohibited.
11. No student whose indebtedness to the University is overdue, in arrears, or in default will be permitted to join a fraternity or sorority.



WILSON
LITERARY
SOCIETY



THE ACADEMIC PROGRAM

REGISTRATION

TIME: All students must register at the beginning of each semester, whether they were in residence the preceding semester or not. Students are required to register in person at the University between 8:15 a.m. and 5:15 p.m. on the days designated. New students will be advised regarding courses and registration procedures during orientation sessions at the beginning of each semester. Dates specified for new students to register are listed in the University Calendar. All students will report for registration as indicated in the University Calendar.

Late Registration: Students may be allowed late registration upon the payment of a late fee of ten dollars per day, but no student will be permitted to register later than the time specified in the calendar.

Changes in Registration: Students who find it necessary to change their program of study after registration **MUST** make the change through the Registrar's Office on forms provided for that purpose. For any such change the student must obtain the permission of the instructor and the advisor. This procedure is followed for dropping or adding a course.

The adding of courses must be completed before the time for making changes expires.

Changes in Address: All address changes must be reported to the Registrar's Office.

Student Load and Excess Hours: The normal load for all students is 15-18 credit hours. In the Summer Session the normal load is 6 credit hours. Students wishing to take hours in excess of 18 credit hours will be charged for extra hours at the rate of \$100.00 per credit hour. The fee for extra hours may be paid on the installment plan for a given semester.

A. Maximum Load

1. During a regular session, a student may not enroll for more than 18 hours, except that a student whose average was "B" or better during the previous semester may apply to enroll for additional hours not to exceed a total of 22.

2. Any student who desires to enroll for more than 18 hours must obtain permission from his or her advisor or department head, division chairperson and the Vice President for Academic Affairs. Forms to enroll for more than 18 hours may be obtained in the Office for Academic Affairs.
3. During a summer term, a student may not enroll for more than six hours, except in the event that one course is a four hour course, in which case he may enroll for seven hours.

Course Offerings: The University reserves the right to add, delete or cancel courses as it deems necessary. There will be no partial refund of any fees as a result of course cancellations unless the student decides to continue as a part-time student.

GRADES AND CREDIT

Symbols: The quality of a student's work in a course must be reported to the registrar by the use of the following grades: **A, B, C, D, P, F, and I.** **A** denotes excellent scholarship; **B**, good; **C**, fair; **D**, poor. Work reported as the grade of **D** cannot be raised to a higher grade by examination. **F** indicates failure; a student receiving such a grade may repeat the course. **P** is the passing grade assigned to all courses for which no credit is allowed. The grade **I** indicates that the work has not been completed and that the student did not withdraw from the class. A student who officially drops a course will receive the grade of **W**.

The grading symbols are: **A; B; C; D; F; I (Incomplete); W/P (withdrew passing); W/F (withdrew failing); or W (withdrew prior to taking a test).**

Grade Points: Grade points are determined by multiplying the number of credit hours which a course yields by the grade point value of the grade. Grade points are computed as follows: **A, 4 points for each credit hour; B, 3; C, 2; D, 1; P, 0; F, 0.**

Grade for Major Work: No grade below **C** will count for credit in the student's major or minor work, and no student will be permitted to enroll for student teaching without a minimum grade of **C** in all courses in the designated teaching area.

Course Credit: Credit will be granted only for officially registered courses.

Grading and Promotion: The University reserves the right to have decisions regarding grading and promotion made by the exercise of the sound discretion of the University faculty.

COURSE EXAMINATIONS

Semester or session examinations: All students are required to take the final examination in each course for which he or she is properly enrolled. Exceptions to this rule are granted by the department head and division chairperson. The final examination must not account for more than twenty-five per cent (25%) of the final grade. FAILURE TO TAKE AN EXAMINATION DOES NOT GUARANTEE A GRADE OF I.

Mid-Semester tests: All students are required to take the mid-semester test in each course for which he or she is properly enrolled.

Incompletes: A student who, as a result of sickness or some other unavoidable cause, has not fully satisfied the requirements of a course may be given a grade of I, if the successful completion of the work will enable the student to earn a passing grade. The incomplete may be removed while the student is not enrolled, but it must be removed within six weeks after the beginning of the next semester in which the student is enrolled. When the work is completed, the student must secure the necessary form from the Registrar's Office, take it to the Office of Financial Affairs to pay the necessary fee for removing incompletes, and then submit the form to the instructor, who will report the final grade to the registrar.

IF A STUDENT DOES NOT ENROLL WITHIN TWO YEARS AFTER RECEIVING THE I, THE INCOMPLETE BECOMES A PERMANENT I.

Repeating of Courses: No student will receive credit for the same course twice. If any course is repeated in which credit hours are earned, the student's permanent record will be adjusted by subtracting the hours of the lower grade from the total hours earned. Credit hours will then be recorded for only the higher grade. Students are responsible for notifying the Registrar's Office when a course is being repeated. Space on the registration form is provided for this notification.

Withdrawal: Students may withdraw officially from the University up to the last day of classes.

Transfer of Credit: Students may obtain credit by attending another college or university if the following conditions are met:

1. The proposed institution of study must be accredited by one of the six regional accrediting agencies of the United States and must offer courses equivalent to those at Johnson C. Smith University.
2. Approval is to be secured from instructors, advisors, and heads of the departments at Johnson C. Smith. Application for approval must be submitted on the proper form obtainable from

the Registrar's Office. When the form has been properly executed, it is returned to the Registrar's Office. Elective credits may be received for certain courses which do not correspond to any offered at Johnson C. Smith, provided approval is first received from the appropriate department head.

3. Approved courses in which the student receives a grade of C or better are transferable with the credit hours and grade points earned. CREDIT WITH GRADE BELOW C WILL NOT BE ACCEPTED. Where quarter hours are taken, they will be converted at the rate of three semester hours to equal five quarter hours.
4. Normally, no more than fifteen hours, EXCLUDING COURSE WORK THROUGH THE CONSORTIUM, may be transferred.

NOTE: Work experiences, institute participation, and travel experiences for credit MUST be cleared and approved before a student takes part in such a venture.

THE STUDENT IS RESPONSIBLE FOR FOLLOWING THE PROCEDURES LISTED ABOVE.

Grade Reports: At the end of each semester, grade reports are sent to parents or guardians. Mid-semester grades are sent to advisors for purpose of advisement. Only semester grades are permanently recorded.

TRANSCRIPTS

An official transcript of a student's academic record will be sent to a designated person or institution upon written request by the student. However, all obligations to the University must be cleared before a transcript is released.

The first transcript is free of charge; all subsequent copies are \$2 per copy.

All transcript requests are made through the Registrar's Office and should be received at least one week before they are needed.

CLASSIFICATION OF STUDENTS

Students in the University are classified for the year at the beginning of the FALL SEMESTER according to records in the Registrar's Office. The basis for this classification is as follows:

Seniors: Students who have, unconditionally, at least 90 credit hours of work.

Juniors: Students who have, unconditionally, at least 60 credit hours of work.

Sophomores: Students who have at least 30 credit hours of work.

Freshmen: All other students, not registered as special, who have fewer than 30 credit hours of work.

ENROLLMENT STATUS

Full-time: In order to be full-time, a student must be enrolled for a minimum of twelve (12) semester credit hours.

Part-time: Any student enrolled for fewer than twelve (12) semester credit hours.

Special: Students who are enrolled but have not been admitted to candidacy for a degree.

ACADEMIC STANDARDS AND SATISFACTORY ACADEMIC PROGRESS

Good Standing

All students are expected to progress toward a degree while in attendance at the University. In many cases, students are capable of completing their degree requirements within a 4 year period by earning an average of 16 credit hours per semester. However, depending upon academic major or other factors, students may require somewhat longer than 4 years for completion. The SATISFACTORY ACADEMIC PROGRESS SCALE sets forth the minimum requirements for progress toward a degree. Any student who meets these requirements will be in good standing.

CLASS ATTENDANCE

All students are expected to attend all classes and other required meetings involved in course work. The University recognizes that students, on occasion, may have legitimate reasons for being absent from class (e.g. representing the university in approved extra-curricular activities, illness or emergencies); however students are expected to give instructors advance notice of anticipated absences. Allowable absences and make-up work will be determined by the instructor according to a formal attendance policy stated in the course outline.

Satisfactory Academic Progress

Johnson C. Smith University's primary purpose is to create and support an educational environment in which students may develop their intellectual potential. While the University is committed to extending its fiscal and human resources in pursuit of this goal, students must have some responsibility for their own education and must pursue and complete academic coursework which will permit them to meet baccalaureate degree requirements within a reasonable time frame.

Accordingly, and in compliance with appropriate and applicable federal regulations and requirements, Johnson C. Smith University shall adhere to the following definitions of and policies for the de-

termination of “Satisfactory Academic Progress.” Any petitions for exemptions to the requirements set forth herewith may be examined by the University’s Committee on Admissions, Academic Standards and Financial Aid. The petitions must be in writing and must be specific as to the nature of the unusual circumstances for which an exemption is sought.

Upon finding an appropriate cause of action, this committee may grant exception to the standards here set forth on an individual case basis with the understanding that such exceptions will not undermine either the intent of this policy or governing federal regulations for Title IV Student Financial Assistance.

SATISFACTORY ACADEMIC PROGRESS SCALE

FULL TIME STATUS

SEMESTER	CUMULATIVE CREDIT HOURS EARNED	CUMULATIVE GPA
1	9	1.70
2	20	1.80
3	32	1.90
4	44	2.00
5	56	2.00
6	68	2.00
7	80	2.00
8	92	2.00
9	107	2.00
10	122	2.00

PART TIME STATUS

3/4 TIME STUDENT (9-11) credit hours.

BACHELOR’S (122) credit hours.

ACADEMIC YEARS										
COMPLETED	1	2	3	4	5	6	7	8	9	
CREDIT HOURS										
COMPLETED	13	26	39	53	67	81	95	100	122	

1/2 TIME STUDENT (6-8) credit hours.

BACHELOR’S (122) credit hours.

ACADEMIC YEARS												
COMPLETED	1	2	3	4	5	6	7	8	9	10	11	12
CREDIT HOURS												
COMPLETED	10	20	31	41	52	62	72	83	93	100	115	122

ACADEMIC PROBATION SUSPENSION AND DISMISSAL

- 1. Any student who, for the first time, fails to meet the requirements of the Satisfactory Academic Progress Scale will be placed on academic probation.

2. Any student who, for the second time, fails to meet the requirements of the Satisfactory Academic Progress Scale will be suspended from the University for one semester. Students who regain compliance with the Satisfactory Academic Progress Scale prior to the end of the suspension period are eligible for immediate readmission to the University.
3. Any student who, for the third time, fails to meet the requirements of the Satisfactory Academic Progress Scale will be dismissed from the University.

HONORS LIST

At the end of each semester an Honors List consisting of students who have earned a grade point average of 3.00 or better is published. Only students who are registered for a minimum of fifteen credit hours will be considered for the Honors List.





SPECIAL PROGRAMS

At Johnson C. Smith University, the educational program is continuously under review. As a result of that review, experimental courses/programs are being offered. During the 1987-1988 academic year, several exploratory options in freshman studies were in progress. These explorations will be continued and enhanced during the 1988-1989 academic year.

A new initiative in continuing education is being developed for introduction in 1988.

Charlotte Area Educational Consortium

Full-time students may enroll in courses, not available at Johnson C. Smith University, which are offered at other participating institutions in the Charlotte Area Educational Consortium (CAEC) without additional tuition and fees. If the combined number of credit hours for which the student enrolls exceeds eighteen, charges will be assessed according to the JCSU fee schedule.

The Charlotte Area Educational Consortium offers inter-institutional registration during the fall and spring semesters at the member institutions listed below.

Barber-Scotia College	Queens College
Belmont Abbey College	University of North Carolina at
Central Piedmont	Charlotte
Community College	Wingate College
Davidson College	York Technical College
Gaston College	
Johnson C. Smith University	

The registration process is initiated in the Office of the Registrar and requires the approval of the student's academic advisor, the Vice President for Academic Affairs, and the Registrar.

Continuing Education

In an effort to better serve the community, the University initiated a series of non-credit experimental courses in the spring of 1988. This program for the adult community of the Charlotte area includes courses in basic education, health and physical fitness, Arts and Letters, Social Sciences, Economics and Business, Family and neighborhood programs and religious education.

FRESHMAN STUDIES

At Johnson C. Smith University, the educational program is continuously under review. As a result of that review, experimental courses/programs are being offered. During the 1987-1988 academic year, several exploratory options in freshman studies were in progress. These explorations will be continued and enhanced during the 1988-1989 academic year.

Option One

In an effort to revise the freshman composition program, the Department of English developed Option One which consists of an exploration in reading and composition skills which may yield from six to twelve hours over two semesters.

English 161-162

(6 credit hours each)

An intensive reading and writing course which focuses on literal, interpretive, and evaluative reading skills in relation to effective writing and speaking skills. Special features: multiple exiting points in the program—162, 192, 163, allowing the superior students the opportunity to complete composition requirements in six hours, the above average student to complete composition requirements in nine hours, and the average student in twelve hours; prescriptive approach to teaching and learning reading and writing; and an intense five-day per week period of instruction which enhances faculty-student contact. The exploration supplants English 131-132, Reading 131-132, and English 191-192 for entering freshmen.

Option Two

Embracing the entire range of academic disciplines, Option Two consists of 24 credit-hours over two semesters. It divides into two parts:

Rhetoric Colloquium 191-192

(3 credit hours each)

Inquiry into reading, writing and their relations. Focus on differences of genre and audience, with the aim of creating a real, not a simulated, writing-reading situation. Frequent reading, writing, and speaking assignments. Attention to the nature of "making a difference," "of mattering," "of being changed" by writing and reading, particularly those forms of discourse and rhetorical situations most commonly found within the university (including formal research). Equivalent to English 191-192, Composition Skills.

Core Curriculum

(18 credit hours)

Organized by division, the core curriculum introduces freshmen to the pursuit and organization of knowledge in the university.

During first semester, these studies take the form of concentrated investigations within each division of subjects in three separate disciplines. Emphasis is placed on primary materials and the developing ability to pursue inquiry. Studio, field, and laboratory work complement the classroom.

Fall Courses: Inquiry in the Humanities (131), Social Sciences (133), and Computer and Natural Sciences (135)

Building on the initial inquiries, second semester allows students to spend more time on fewer subjects. But beyond the simple coverage of content, these courses are meant to examine the nature, and limits, of disciplinary claims to truth.

Spring Courses: Studies in the Humanities (132), Social Sciences (134), and Computer and Natural Sciences (136)

The core curriculum (18 hours) satisfies an equivalent number of the current distribution requirements in the General Education Program. With humanities, the social sciences, and the natural sciences, designated course equivalents are assigned.

THE HONORS COLLEGE

PURPOSE

The purpose of the Honors College, as was the purpose of its predecessor, the Honors Program, is to meet the academic and creative needs as well as the aspirations of students of exceptional academic ability who accept the invitation to participate in the program. The general structure of the Honors College is determined by the Honors College Committee but the specific mode of implementation is determined by the director, faculty, and students working within the Honors College.

While formal matriculation in the Honors College does not begin until the first semester of the sophomore year, specifically targeted students began preparatory work in the Advanced Freshmen Studies Program which prepares them to benefit from the rich variety of experiences that the Honors College affords. Through special channels designed to encourage and facilitate a high level of academic achievement, the Honors College student works to develop a trained mind adaptable to a changing world.

STRUCTURE

Students receiving academic scholarships are expected to enroll in the Advanced Freshman Studies Program which is a humanities core based course of study preparatory for Honors College work in the sophomore year. Seminar format Honors College courses are interdisciplinary and are designed to accelerate the completion of the G.E. courses normally taken separately. Subject to the approval by the Honors College Committee, upper level Honors College courses may be designed by departments.

In addition to Honors College courses, students may also elect to take in-course honors. Here special work is designed for one or more Honors College students, enrolled in a regular course, who desire a more challenging experience. The students and the instructor share in the initiative and the design. Approval is necessary from the Honors College Committee.

THE ADVANCED FRESHMEN STUDIES PROGRAM

COURSES	CREDIT HOURS
Honors English 191 - 192	6
Honors History 131 - 132	6
Honors Foreign Language (French or Spanish)	6
Honors Natural Science 162	6
Honors Math 191	3
Honors Speech 131	3
Honors Orientation 121	2

Honors English satisfies the requirements of English Composition and Literature. Students are taught the fundamentals of composition, and creative and expository writing. Literary masterpieces are studied in conjunction with composition.

Honors History introduces students to the major themes in the history of the world. Students are given the opportunity to obtain knowledge necessary to compare civilizations in different parts of the world, to determine what is unique and what is universal about their own society, and to enhance their ability to make informed decisions about the present. Considerable emphasis is placed upon discussion.

Honors Math satisfies the requirements for Math 131-132.

Honors Natural Science satisfies the G.E. requirement for non-science majors in the Honors College. It has an integrated approach to the natural sciences which includes selected topics in astronomy, biology, chemistry, earth science and physics.

Ideally, all students will enroll in the same courses. However, realistically, it is recognized that some majors require beginning in the first semester of the freshmen year so allowances are made accordingly. At a minimum, students are expected to take Honors English and Honors History.

Honors College Courses

Formal Honors College course work begins with the Sophomore year. Students with a minimum 3.0 GPA are invited to participate. Whereas Honors College selection comes primarily from the Advanced Freshmen Studies Program, other Advanced Freshmen, Sophomores, or transfers may, upon the appropriate recommendation, be invited to participate.

Honors Fine Arts Seminar — Hum 490. This course allows students to satisfy the G. E. requirement for Art 231 and Mus 131. The student experience is enriched immensely by attendance at plays, operas, concerts, museums and other appropriate activities. Three credit hours

Honors Social Science Seminar 490. This course allows students to satisfy the non-history G. E. requirements for the Social Sciences.

Interdisciplinary and thematic. Writing intensive with class discussion emphasized. Three credit hours.

Honors Philosophy 131

Honors courses not taken or completed during the freshman year are expected to be taken during the sophomore year.

JUNIOR HONORS

Advanced English Composition or Modern English Grammar. Students with majors which require additional formal English writing may substitute those. Three hours of English composition beyond the freshmen level is required however met. Juniors are required to do a minimum of three credit hours of in-course honors work within their major and submit a junior year honors project.

SENIOR HONORS

Students conduct research and independent study in any field of interest under the guidance of faculty. The results of the research is presented to the Honors Committee.

All Honors College students are expected to participate on a regular basis in two co-curricular activities. They are non-credit but participation is required.

CONVERSATIONS - a series of discussions with senior faculty and administrators on topics of their choice and/or areas of expertise.

THE GREAT BOOKS DISCUSSION SERIES - Discussion groups will devote a full semester to discussion/development of a theme - broadly conceived such as ETHICS FOR TODAY. The appropriate GREAT BOOK(s) will form the basis for the discussion.

GRADING POLICIES

For those students who maintain a grade of B or above on their honors projects, HONORS will be designated on grade sheets beside the students' names and will be so recorded on the transcript. This designates creditable performance in special HONORS COURSES, IN-CLASS HONORS, and INDEPENDENT STUDY.

FINANCIAL ASSISTANCE

Contingent upon the availability of funds, students in the Honors College receive financial assistance to cover tuition. They are required to maintain a cumulative 3.00 GPA in order to retain their scholarships. A student may lose financial assistance and retain probationary status in the Honors College. A cumulative GPA below 3.00 for two consecutive semesters may warrant dismissal from the Honors College.

PROGRAM CHANGES

The University reserves the right to alter, revise, or eliminate any academic program it deems necessary.

STUDENT SUPPORT SERVICES

Student Support Services is a federally-funded academic support program that serves a select number of students at the University, primarily freshmen. The purpose of the program is to provide necessary academic support services that will enhance students' academic performance and help them achieve their educational objectives (i.e., graduation from the University). Numerous academic services such as academic advising, tutoring in mathematics and foreign languages, and individualized English lab sessions are provided. Various other career development and cultural enrichment activities are offered to promote participants' total development.

The Student Support Services program emphasizes from the beginning of the freshman year the importance of participating fully in the educational process. A variety of activities is provided to allow students to assess their interests and to explore various fields of study and career options.

GENERAL EDUCATION PROGRAM

The main purpose of the general education program is to enable each student to acquire a broad and substantial foundation in the major fields of knowledge. The program is designed to complement the program of specialized education by preparing students for responsible and imaginative living.

Entering freshmen are required to take a series of examinations for placement and counseling purposes. The achievement tests in mathematics, foreign language, and English are for placement; interest and psychological tests are for use in counseling.

Students who, through testing, demonstrate proficiency in a subject matter area may be given advanced standing in that specific area. This procedure, however, will not reduce the total number of hours required for graduation.

A student may begin a major in the freshman year. Normally freshmen will not be permitted to take more than the normal load, twelve to eighteen credit hours.

General Education Requirements for Graduation

Area and Courses	Credit Hours
Orientation	2
Orientation 120	
(Not required for transfer students with 64 earned credit hours.)	
English Composition and Literature.....	12
English 191-192	
(6 cr. hrs.), English 231, 232	
or English 235 (6 cr. hrs.)	
Foreign Language	6
Two semesters of same language or the equivalent	
The Humanities and Fine Arts	12
Philosophy or Religion (3 cr. hrs.)	
Speech 131 (3 cr. hrs.)	
Music 131 (3 cr. hrs.)	
Art 231 (3 cr. hrs.)	
The Social Sciences.....	12
History 131-132 (6 cr. hrs.)	
Six credit hours distributed over two of	
the areas listed below. (6 cr. hrs.)	
Economics 231	
Political Science 131	
Sociology 131	
Psychology 131	
Urban Studies 131	
The Natural Sciences and Mathematics.....	14
Math—6 cr. hrs. above 130	
Biology 140 or above (4 cr. hrs.)	
Physical Science (4 cr. hrs.)	
Physical Science 141	
Chemistry 141	
Physics 241 or 243	
Physical Education	4
Personal Hygiene 121 (2 cr. hrs.)	
Activity - any two courses (2 cr. hrs.) from P.E. 010- P.E. 119, except	
P.E. 026-027	

Freshman Orientation Course

The Orientation Program is designed to introduce entering freshmen and transfer students to campus life and provide them with the skills necessary for a successful college career. It is required for all students for graduation.

ORIENTATION 120**Two Credit Hours**

A course designed to introduce entering freshmen and transfer students to campus life and provide them with the skills necessary for a successful college career. In addition to this, the course will allow students the opportunity to explore their strengths, weaknesses and possibilities for growth and self-fulfillment in a supportive group setting, as well as establish an identity and their place within the institutional environment. The course content includes the following themes:

Environmental Awareness -the history and philosophy of the institution, familiarity with helping resources and academic procedures and developing appropriate study skills; **Personal Awareness** -achieving autonomy, identity, adequate coping skills and clarification of personal values, **Group Integration** -distinguishing group values from individual values and socialization. **Career Development and Preparation in Higher Education** -the importance of decision making, personal responsibility for education, the purpose of a liberal education, career exploration and academic major clarification. This course will meet twice weekly for a one hour session.

REQUIRED COMPETENCY TESTING/SENIOR PAPER

For students entering the University in the Fall of 1988 and thereafter, performances on competency tests will help determine their academic progression. Second-semester sophomores will be required to pass tests in basic communication and cognitive competencies in order to progress to junior status. Seniors will be required to pass tests in their major fields in order to graduate from the University.

Students entering the university in the Fall of 1989 will participate in a "Writing and Speaking Across the Curriculum" program culminating in a **Senior Investigative Paper** which will be required for graduation from the University.

English

All entering freshman students and transfer students who have not completed at least 3 hours of credit in English Composition must take pre-tests in reading and communication skills. These test scores are used to evaluate entry level proficiency and progress in freshman studies.

The University requirement of demonstrated English proficiency must be met by achieving a grade of C or better in English 191 & 192, the required composition course or its equivalent.

Foreign Language

All students are required to take two semesters or the equivalent of a foreign language, (six hours in one language distributed as 131 and 132).

Students who have studied two or more years of a foreign language in high school are required to take a placement examination in the language studied. According to their scores, students will be placed

in 131, 132, 231, or 232. Those students who place in 231, as a result of the placement examination, have satisfied the equivalent of 132. They may elect to continue in the study of a foreign language as electives or upon recommendation of their major departments.

Students who have not previously studied French or Spanish may enroll in Elementary French 131 or Elementary Spanish 131 at Johnson C. Smith University. Students who wish to satisfy the language requirement with a language other than French or Spanish may take 131 and 132 at a college within the Consortium.

Exemption From Physical Education Activities

Each student is required to participate in the University physical education program. Students with physical disabilities of any nature may take physical education 119A and 119B to satisfy the P.E. activity requirement. Before enrolling in these courses a student will need to have a statement from their personal physician. This information must be documented in the physical education department. FORMER MILITARY PERSONNEL ARE EXEMPTED FROM PHYSICAL EDUCATION ACTIVITIES.

MAJOR PROGRAM

Students may concentrate in any one of four divisions and may major in the following subjects: biology, business administration (concentrations in accounting, banking and finance, management, marketing), chemistry, communication arts, computer science, economics, education-early childhood & intermediate, English, general science, health education, physical education, history, liberal arts-engineering (3-2 plan with an engineering school), mathematics-physics, music-business, music education, political science, psychology, social science, social work, sociology, urban studies and community affairs.

Application for Major

It is recommended that students apply for a major not later than the end of the fall semester of the sophomore year. As a result, department heads will have adequate time and opportunities to observe and to advise students while there is enough time to make necessary program adjustments. This plan enables students to find major areas that are most profitable for them. Forms to apply for the major may be obtained from the Office of the Registrar. When the major is approved, the department head retains a copy of the application and submits two copies to the registrar.

Changing of a Major

A student may change a major by obtaining the proper forms from the Registrar's Office. When the change is approved by the department head, one copy remains in the department and two copies are filed in the Registrar's Office.

DEGREES AND GRADUATION REQUIREMENTS

Degrees

The University administers work leading to the degree of Bachelor of Arts, Bachelor of Science, or Bachelor of Social Work.

Degrees with Honors

To be graduated cum laude, a student must have spent at least two years in residence at the University and at least earned an average of 3.00 to 3.49.

To be graduated magna cum laude, a student must have spent at least three years in residence at the University, earned an average of 3.50 to 3.69, and no grade below C.

To be graduated summa cum laude, a student must have spent at least three years in residence at the University, earned an average of 3.70 to 4.00 and no grade below C.

Graduation

Application for Degree

Seniors are required to file an application for degree, indicating expected date of graduation. (See University calendar.)

General Requirements: Candidates for the bachelor's degree must complete at least 122 hours, must earn a minimum overall grade point average of 2.00, must earn a minimum grade of C in any course that counts toward the major, and must satisfy all requirements of the curricula in the general education program.

Catalog Requirement: Graduation will be governed by the catalog under which students first enroll in the institution and if they graduate within a period of five years. Otherwise, current requirements must be met after that period of time. This regulation will be subject to such additional conditions that may be established by decisions of the Educational Policies Committee and approved by the University administration.

Residence Requirements: The minimum residence requirement for the bachelor's degree is that the last 32 of the 122 semester hours required must be earned at Johnson C. Smith University.

Exceptions to this requirement may be made when approved by the Vice President for Academic Affairs, major advisor, department offering course or courses in question, and the President.

Student Responsibility: Familiarity with the University Catalog, maintaining a satisfactory grade point average, proper completion of the academic program, and satisfying all other requirements for graduation are responsibilities of each student. Advisors will counsel, but the final responsibility remains that of the student. Students are obligated to comply with the reasonable rules and regulations of the University and all requirements for graduation. Students will graduate only when all requirements as specified by the applicable catalog have been completed. The University reserves the right not to graduate any student who has not complied with all graduation requirements.

SUMMER SCHOOL

Admission

The Johnson C. Smith University Summer School is open to all persons who are eligible in at least one of the following categories:

1. Persons desiring to take college courses for self-improvement;
2. Students completing requirements for degrees at other colleges (Statements of approval from a designated official must be presented if credit is to be transferred.);
3. Students completing requirements for degrees at Johnson C. Smith;
4. High school graduates intending to pursue a degree at Johnson C. Smith or other institution (These persons must apply for admission to the regular University program through the Office of Admissions at Johnson C. Smith or the institution to which the credit will be transferred.);
5. Inservice teachers who desire to upgrade, to renew, or to convert their certificates for early childhood education (K-3), intermediate (4-9), or secondary education;
6. Veterans eligible under Public Law No. 91-219 of the Congress of the United States to take training in an approved institution (Johnson C. Smith is certified by the Veterans' Administration to provide training.).

Applications for admission may be obtained by writing to the Director of Summer School.

Fees

Tuition for all students is \$462.00 for a normal load of six credit hours. An additional charge of \$77.00* per credit hour will be made for any hours that exceed the normal load. Students who wish to take more than the normal load of six credit hours must consult the director of Summer School.

The fee for room and board is \$594.00*. This fee will cover room rent and three meals per day. A \$25.00 deposit may be required. Students desiring room and board facilities should file an application with the director of student life programs.

All fees are due and payable on the day of registration. Fees are not refundable after the first week of each session. No exception to this regulation will be made for illness or any other reason for withdrawal. No refund will be made to students dismissed for academic or disciplinary reasons.

A late registration fee of \$10.00* will be charged after the first day of each session. NOTE: Late registration fees for veterans will not be paid by the Veterans' Administration. The veteran is personally responsible for late registration fees, payable in advance.

**Subject to change without notice to students when deemed necessary by the University.*

Financial Aid

National Direct Student Loans are available for summer study. For information, write to the following address:

Office of Financial Aid
Johnson C. Smith University
Charlotte, North Carolina 28216-5398

Course Offerings and Faculty Selection

Summer School courses are offered in most departments, depending upon demand. The Summer School faculty is usually composed of members from the regular faculty. Because of their special expertise, faculty members from other institutions are sometimes invited to join the Summer School faculty.

COURSE DESCRIPTIONS

ACADEMIC DIVISIONS

Subjects are arranged under the following four divisions:

Division I: **The Humanities**—art, communication arts, English, French, music, philosophy, religion, Spanish.

Division II: **The Social Sciences**—business administration (concentrations in accounting, banking and finance, management, marketing), economics, history, political science, social work, sociology, urban studies and community affairs.

Division III: **Education, Physical Education and Health, and Psychology**—education (early childhood education, intermediate education, and secondary education), health, physical education, psychology.

Division IV: **Mathematics and Sciences**—biology, chemistry, computer science, mathematics, physics.

System of Course Numbers

The number of each course has three digits. The first digit indicates the classification level. The second digit indicates the number of credit hours. The third digit merely distinguishes the course from other courses in the classification and credit bracket of the department. Some courses have a middle digit of 8 or 9. The 8 indicates a two-credit course, and the 9 indicates a three-credit course.

Hyphenated courses are regarded as year courses and must be taken in sequence. Courses marked with an unexplained asterisk (*) are required for teacher certification. Courses marked with an unexplained dagger (†) may be used as general education requirements.

DIVISION I: THE HUMANITIES

The Division of Humanities includes four departments: Communication Arts, English, Foreign Languages, and Music. Majors and/or minors are offered in all these departments. Philosophy and religion courses are included in the Department of English.

Humanities

HUMANITIES 490 Senior Humanities Seminar

Three credit hours

An interdisciplinary seminar for majors in the humanities and in other related fields. A dialogue course designed to provide the opportunity for students to select a topic to be studied from the various perspectives of the humanities. Methods of instruction: independent research, seminar discussion, team teaching, visiting lecturers. Prerequisite: senior standing and permission of staff. (See English 490, Philosophy 490, and Religion 490.) SPRING SEMESTER.

DEPARTMENT OF COMMUNICATIONS ARTS

The Department of Communication Arts meets today's increasing demand for graduates trained in media. Television and radio stations, newspapers, and performing arts groups are seeking graduates trained to serve as technicians, reporters, broadcasters, photographers, and other persons skilled in communication arts.

The area of mass media today has a greater impact upon the educational and cultural development of American society than any other single force. Its future vistas are unlimited. Presently, it is the most effective means of connecting the learner with the available knowledge of the world.

The Department of Communication Arts has the following goals: first, to render service to society and the local community by training students to be highly competent in various areas of mass media; second, to maintain a reciprocal relationship between Johnson C. Smith University and local radio, television, and newspaper establishments; third, to provide new job opportunities and to discover new talents in students; and fourth, to help students to develop positive self-images by the accomplishments of work well done and by society's acceptance of worthy contributions.

NOTE: Students in internships receive practical experience in mass media while establishments provide internships and use of their facilities.

Through the major program, the Department of Communication Arts hopes to attain the following educational objectives: to acquaint the student with the expanding possibilities of the media as art, to offer the student the opportunity for adequate self-expression in at least one medium, to provide the student with practical experience in the campus media, and to provide the student with opportunities for acquiring expanded experience and training in the professional media of Charlotte.

The major in communication arts consists of thirty-nine credit hours elected from the areas of communications, drama and film, public relations and organizational communication, publishing and graphic arts, speech and telecommunications, including the following required courses: Speech 131 (can be used to fulfill general education requirement), Communications 231 and Communications 232.

A minimum grade of C must be earned in all courses that count toward the major.

Shortly after entering the department, each major decides upon a concentration and plans an individual program of study in consultation with an advisor assigned for the concentration. Ordinarily, the individual program of study will be similar to the "suggested program" for the concentration. The student is responsible for completing the individual program of study approved by the advisor. Concentrations available are (1) Public Relations and Organizational Communication, (2) Publishing and Graphic Arts, and (3) Telecommunications.

A minor in communication arts consists of eighteen credit hours elected from the areas of communications, drama and film, public relations and organizational communication, publishing and graphic arts, speech, and telecommunications, chosen by the student under the guidance of major and minor advisors. Speech 131 is required, but courses taken to complete the minor exclude hours taken to fulfill general education requirements.

COMMUNICATIONS

COMMUNICATIONS 231-232 Introduction to Mass Communications I and II

Three credit hours each

The courses present a survey of the nature, characteristics and history of the media of mass communications—newspapers, magazines, motion pictures, records, radio and television. They also introduce students to professional opportunities in those fields, with guest speakers from and field trips to local communications organizations. Required of communication arts majors. The courses should be taken soon after a student enters the department.

DRAMA AND FILM

DRAMA AND FILM 232 Introduction to Drama and the Film **Three credit hours**

A comprehensive survey of history and theory of the theatre from classical to modern times. Examination of the film as art.

DRAMA AND FILM 332 Film Criticism

Three credit hours

Study of the film as an art form. Viewing and criticism of short and longer subjects. Emphasis on contemporary film.

DRAMA AND FILM 333 Drama and Film Workshop

Three credit hours

A practical course in the staging of plays. Attention given to acting, lighting, costuming, make-up, scene design, and other aspects of the art. Lecture and workshop. Open to all students interested in dramatics and films. (Though the course may be taken for as many semesters as the student desires, credit will be given only for one semester's work.)

DRAMA AND FILM 433 Modern Drama

Three credit hours

Extensive reading and study in representative works of modern European and American dramatists. Attention given to purpose, theme, and techniques. (Same as English 433.)

PUBLIC RELATIONS AND ORGANIZATIONAL COMMUNICATION

- PUR 231 Business Writing** **Three credit hours**
Techniques of writing in business and other organizational contexts, including letters, reports, studies and publicity materials.
- PUR 331 Public Relations** **Three credit hours**
Techniques and case studies in public relations for business and non-profit organizations. Prerequisite: Public Relations and Organizational Communication 231. Recommended prerequisite: Telecommunications 233.
- PUR 339 Special Topics in Public Relations and Organizational Communication** **Three credit hours**
Advanced study in professional practices in public relations and organizational communication.
- PUR 413, 423, 433 Internship in Public Relations and Organizational Communication** **One to three credit hours**
Practical experience in public relations and organizational communications in local organizations. Open only to juniors and seniors majoring in communication arts. May be repeated for a total of six credit hours. Prerequisite: Permission of Department.

PUBLISHING AND GRAPHIC ARTS

- PGA 231 Media Writing** **Three credit hours**
Basic techniques of writing in styles and formats widely employed in the professional media.
- PGA 232 Publication Editing and Production** **Three credit hours**
Editorial techniques and production processes employed in various types of publications.
- PGA 233 Photography I** **Three credit hours**
A course in basic camera and darkroom techniques for beginners.
- PGA 234 Photography II** **Three credit hours**
Advanced course in composition, use of lighting for the still camera, darkroom techniques and slide making. Prerequisite: Publishing and Graphic Arts 233.
- PGA 235 Design I** **Three credit hours**
Beginning course in visual concepts and design techniques employed in publishing. Includes beginning drawing, lettering, posters, color separation and layout.
- PGA 236 Design II** **Three credit hours**
Advanced course in visual concepts and design techniques employed in publishing. Includes intermediate drawing, silk screen, editorial design, layout and cartooning.
- PGA 330 The Afro-American Press** **Three credit hours**
A comprehensive history of the Afro-American Press and an examination of black newspapers.

PGA 331 Reporting **Three credit hours**
 Development of sound news judgment. Practice in various methods of searching the news and in techniques of reporting it. Prerequisite: PGA 231.

PGA 332 Feature Writing **Three credit hours**
 An introduction to the fundamentals of feature writing and the examination of newspaper and periodical features.

PGA 337 Publishing and Graphic Arts Workshop **Three credit hours**
 Practical experience in reporting, writing, editing, layout, design and photography for the newsletter and magazine. May be repeated once for credit.

PGA 339 Special Topics in Publishing and Graphic Arts **Three credit hours**
 Advanced study in professional practices in publishing and graphic arts.

PGA 413, 423, 433 Internship in Publishing and Graphic Arts **One to three credit hours**
 Practical experience in publishing and graphic arts in local organizations. Open only to juniors and seniors majoring in communications arts. May be repeated for a total of six credit hours. Prerequisite: Permission of Department.

SPEECH

SPEECH 131 Fundamentals of Speech **Three credit hours**
 Beginning public speaking course. Includes training in pronunciation and delivery, as well as the preparation and presentation of effective public messages. Required of communication arts majors.

SPEECH 231 Voice and Diction **Three credit hours**
 The course presents instruction and drills for the improvement of vocal characteristics, including diction, pitch, tempo and quality. Includes lectures on the vocal apparatus and the International Phonetic Alphabet. Also includes intensive individual instruction.

SPEECH 330 Speaking in the Professions **Three credit hours**
 Practice in preparing and presenting various types of speeches expected of professional people and in planning and conducting public discussions. Practice in parliamentary procedure.

SPEECH 431 Speech Seminar **Three credit hours**
 Topic to be announced. Open to seniors majoring in communication arts.

TELECOMMUNICATIONS

TEL 231 Introduction to Radio I **Three credit hours**
 History of radio. Writing, producing, directing, and announcing various types of radio programs.

TEL 232 Introduction to Radio II **Three credit hours**
 News analysis, news interviews, writing and announcing. Remote broadcasts, sports events, the discussion program. Prerequisite: Telecommunications 231.

TEL 233 Video Production	Three credit hours
Instruction and practice in camera and editing techniques for video tapes, as well as selection of subject matter, producing and directing.	
TEL 234 Scriptwriting	Three credit hours
Instruction and practice in writing for the media.	
TEL 291 Introduction to Television I	Three credit hours
Techniques of television. Producing, directing, writing, and announcing. Includes commercials, news, and documentaries.	
TEL 292 Introduction to Television II	Three credit hours
Techniques of television. Producing, directing, writing, and announcing. Includes news, documentaries, interviews, and dramas. Prerequisite: Telecommunications 291.	
TEL 339 Special Topics in Telecommunications	Three credit hours
Advanced study in professional practices in telecommunications.	
TEL 413, 423, 433 Internship in Telecommunications	One to three credit hours
Practical experience in telecommunications organizations. Open only to juniors and seniors majoring in communication arts. May be repeated for a total of six credit hours. Prerequisite: Permission of Department.	

PUBLIC RELATIONS AND ORGANIZATIONAL COMMUNICATION

Freshman Year			
Fall	Credit Hours	Spring	Credit Hours
English 191	3	English 192	3
French or Spanish 131	3	French or Spanish 132	3
Mathematics 131	3	Mathematics 132	3
Art 231	3	Speech 131	3
Orientation 120	2	Music 131	3
Physical Education 121	<u>2</u>	Physical Education (Activity)	<u>1</u>
	16		16
Sophomore Year			
English 231	3	English 232	3
History 131	3	History 132	3
Religion 130 or Phil 131	3	Biology 140	4
Communications 231	3	Communications 232	3
PGA 231	3	PGA 233	<u>3</u>
Physical Education (Activity)	<u>1</u>		16
	16		

Junior Year

PUR 231	3	PUR 331	3
PGA 235	3	Physical Science 141	4
TEL 233	3	Social Science	3
Social Science	3	Electives	<u>6</u>
Elective	<u>3</u>		16
	15		

Senior Year

PUR 433	3	PUR 433	3
Major Elective	3	Major Elective	3
Electives	<u>9</u>	Electives	<u>9</u>
	15		15

PUBLISHING AND GRAPHIC ARTS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
French or Spanish 131	3	French or Spanish 132	3
Mathematics 131	3	Mathematics 132	3
Art 231	3	Speech 131	3
Orientation 120	2	Music 131	3
Physical Education 121	<u>2</u>	Physical Education (Activity)	<u>1</u>
	16		16

Sophomore Year

English 231	3	English 232	3
History 131	3	History 132	3
Religion 130 or Phil 131	3	Biology 140	4
Communications 231	3	Communications 232	3
PGA 231	3	PGA 232	<u>3</u>
Physical Education (Activity)	<u>1</u>		16
	16		

Junior Year

Physical Science 141	4	Social Science	3
Social Science	3	PGA 235	3
PGA 233	3	PGA 337	3
PGA 337	3	Electives	<u>6</u>
Elective	<u>3</u>		15
	16		

Senior Year

PGA 433	3	PGA 433	3
Major Elective	3	Major Elective	3
Electives	<u>9</u>	Electives	<u>9</u>
	15		15

TELECOMMUNICATIONS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
French or Spanish 131	3	French or Spanish 132	3
Mathematics 131	3	Mathematics 132	3
Art 231	3	Speech 131	3
Orientation 120	2	Music 131	3
Physical Education 121	<u>2</u>	Physical Education (Activity)	<u>1</u>
	16		16

Sophomore Year

English 231	3	English 232	3
History 131	3	History 132	3
Religion 130 or Phil 131	3	Biology 140	4
Communications 231	3	Communications 232	3
TEL 231	3	TEL 232	<u>3</u>
Physical Education (Activity)	<u>1</u>		16
	16		

Junior Year

Physical Science 141	4	Social Science	3
Social Science	3	TEL 233	3
TEL 291	3	TEL 292	3
PGA 231	3	Electives	<u>6</u>
Elective	<u>3</u>		15
	16		

Senior Year

TEL 433	3	TEL 433	3
Major Elective	3	Major Elective	3
Electives	<u>9</u>	Electives	<u>9</u>
	15		15

ART COURSES

- ART 130 Basic Design

Three credit hours

A course designed to acquaint students with the principles of draftsmanship, color scheme variables, and principles of their application. Materials to be explored in this course: collage techniques, matting, acrylic and water color painting, various uses of charcoal, linoleum block printing, basic sculptural forms, and oil painting.
- ART 133 Introduction to Drawing and Painting

Three credit hours

Emphasis on understanding form, line linear organization, color harmony, and physical properties of pigment (oil, acrylic, and color), and methods of canvas preparation and framing.
- ART 134 Afro-American History

Three credit hours

A supplement to regular mainstream approaches in teaching American Art history. Acquaints students with the distinguished creative output of persons of Afro-American backgrounds. Examines some two hundred years of black creative efforts.

ART 230 Art for the Elementary School**Three credit hours**

A discussion of skills which will facilitate art work in the elementary school. Emphasis on developing creative ability. Two two-hour class meetings each week.

ART 231 Art Appreciation**Three credit hours**

Appreciation for the beauty of architecture, painting, sculpture, pottery, and textiles. Two one-hour lecture periods and one two-hour laboratory period each week.

DEPARTMENT OF ENGLISH

The Department of English seeks to accomplish the following aims: first, to develop in students an adequacy in the skills of effective writing, speaking, listening, and reading; second, to emphasize the importance of a mastery of the tools of communication for achievement in all phases of living; third, to acquaint students with many of the literary masterpieces of the world, together with principles of evaluating them; fourth, to encourage students in the cultivation of a genuine appreciation for literature; fifth, to provide specialized and intensive study in English and American literature, as well as in the English language, for students who desire to pursue careers in the teaching of English or in letters; and sixth, to enhance communicative skills of the pre-professional major.

The Department of English offers a major program, an English education major, and a minor program.

The major program, consisting of a minimum of thirty credit hours above the sophomore literature requirement, includes courses in English and American literature, language, criticism, and writing. The following courses are required: English 333-334 or 335-336, English 339, English 491 or 493, and one of the following: English 330 or English 430. Other courses should be elected to assure acceptable distribution over the entire field of English language and literature. The major program prepares the student for graduate study, and for other professions requiring a strong background in communicative skills.

The English education major, consisting of a minimum of thirty-two credit hours above the sophomore literature requirement, includes the basic courses of the major program and the courses in education and psychology as prescribed by the Teacher Education Program. Where feasible, the English education major should secure at least fifteen credits in a second teaching field. The English Education Program prepares the student to teach in the secondary school.

A minor in English consists of eighteen credit hours in English above the sophomore literature requirement.

The following courses are required for the English major and the English education major: English 333-334 or English 335-336, English 339, English 330 or 430, and English 491 or 493. English 338 is highly recommended.

Minors in English will not be given credit toward their concentration for courses in English in which they earn grades below C. A minimum grade of C must be earned in all courses that count toward the major.

LANGUAGE AND WRITING

READING 131-132 Basic Reading Skills

Three credit hours each

Courses in reading designed for students whose entrance examinations indicated a need for correction and development of reading skills. Instruction: three hours per week by a reading teacher and two hours per week laboratory techniques for individualized instruction. Formerly a component of English 131-132, Reading and Language Skills.

ENGLISH 131-132 Basic Writing Skills

Three credit hours each

Courses in writing designed for students whose essay examination and grammatical skills test indicate a need for remediation. Instruction: three hours per week by an English teacher and two hours per week laboratory techniques for individualized instruction. Formerly a component of English 131-132, Reading and Language Skills.

ENGLISH 141-142 Honors English

Four credit hours each

A study of the fundamentals of composition in conjunction with selected literary masterpieces primarily of Western civilization. Attendance at plays, opera, concerts, seminars, and other appropriate activities to enrich the experiences of the students.

ENGLISH 191-192 Composition Skills

Three credit hours each

A study of composition, including the forms of discourse, rhetorical patterns, the application process, and the research paper.

NOTE: Formerly English 190 A-B. Students must receive a grade not less than C to satisfactorily complete the course.

ENGLISH 337 Creative Writing

Three credit hours

Study of theory and techniques of the short story, the essay, the novel, and poetry. Individual experimentation in the various genres. Enrollment with prior consent of instructor.

ENGLISH 391 Advanced Composition

Three credit hours

Use of literature as a basis for writing themes and developing oral and written communication skills. Emphasis on specialized kinds of writing. Review of the business letter and English fundamentals. Mastery of the techniques of research, using the *MLA Style Sheet* as a guide. Recommended for all students who wish to increase their proficiency in oral and written composition.

ENGLISH 491* The English Language

Three credit hours

A study of the principles of language study, with special attention to the historical and linguistic forces which have affected the development of the English language.

ENGLISH 493* Modern English Grammar

Three credit hours

Rapid review of traditional grammar and current usage problems, followed by a descriptive analysis of the structure of present-day English in the light of recent research in linguistics.

LITERATURE

English 231-232 World Literature

Three credit hours each

An in-depth study of selected literary masterpieces primarily of Western civilization. Attention to major works of other cultures.

NOTE: The chronology of period and literary movements will be observed wherever feasible; the two halves of the course must be taken in sequence.

English 235 Introduction to Fiction

Three credit hours

This course, designed primarily for the English major, teaches the student to read with understanding selected primary sources from classical mythology. Through these readings the student will learn theme, idea, and interpretation, character (as sum of personal qualities), structure, and technique. (May substitute for English 232)

ENGLISH 330 Chaucer

Three credit hours

Detailed study of the "Canterbury Tales" and "Troilus and Criseyde." Attention to Middle English and medieval culture. Study of changing critical approaches to Chaucer.

ENGLISH 333-334 English Literature

Three credit hours each

A survey of English literature from Beowulf to selected works of the present time. Offered in alternate years.

ENGLISH 335-336 American Literature

Three credit hours each

A survey of American literature from selected works of the Colonial Period to selected works of the present time. Offered in alternate years.

ENGLISH 339 Shakespeare

Three credit hours

A study of at least twelve of the plays (eight in detail). (Same as Drama 339.)

ENGLISH 395 Honors Seminar

Three credit hours

A seminar for majors who are pursuing departmental honors in English. Theoretically organized course. Provides an opportunity for students to study a selected topic by means of independent research and seminar discussions.

ENGLISH 430 Milton

Three credit hours

Selected prose and all of the English poems.

ENGLISH 431 English Literature of the Restoration and the Eighteenth Century

Three credit hours

A study of English literature from the Restoration to 1798.

ENGLISH 433 Modern Drama

Three credit hours

Extensive reading and study in the works of representative European and American dramatists. Attention to purpose, theme, and techniques. (Same as Drama 433.)

ENGLISH 435 Studies in Romantic Literature

Three credit hours

A detailed study of the Romantic Movement, including the major English poets—Blake, Wordsworth, Coleridge, Byron, Shelley, Keats—and a broad understanding of the significant prose of the period.

ENGLISH 436 Studies in Victorian Literature **Three credit hours**
 A study of the major post-Romantic poets. Varying choice of subject matter from year to year.

ENGLISH 437 Contemporary Literature **Three credit hours**
 Study of outstanding figures of British and American literature from 1914 to the present. Varying choice of authors and subjects from year to year.

ENGLISH 439 Principles of Literary Criticism **Three credit hours**
 Review of the history of Western criticism, study of developments in literary theory, guided experiences with practical criticism.

ENGLISH 490 Senior Seminar **Three credit hours**
 (See Humanities 490: Senior Humanities Seminar.)

ENGLISH 494 Afro-American Literature: 1920 to the Present **Three credit hours**
 A study of the literature of the period and its historical, cultural, and aesthetic perspectives. Open to inservice teachers, juniors, and seniors.

ENGLISH 495 Honors Seminar **Three credit hours**
 A seminar for senior majors who are pursuing departmental honors in English. Advanced research and discussion of selected topics in literature and related areas. Open to juniors upon recommendation of adviser.

ENGLISH 497-498 Special Topics in English **Three credit hours each**
 Detailed investigation of a special topic in language or literature.

ENGLISH 499 Independent Study **One to six credit hours**
 A planned and structured project cooperatively defined by student and faculty. Student permitted to contract to complete work in the areas of language, writing, or literature. Enrollment: one, two, or three hours according to the scope of work to be completed. May be taken again for three additional hours of credit. Open to majors and to English education majors.

THE TEACHING OF ENGLISH

ENGLISH 338 Literature and Media for Adolescents **Three credit hours**
 A study of literature and media for adolescents. Open to students of intermediate and secondary education, as well as to inservice teachers. (Same as Communications 338.)

ENGLISH 429 The Teaching of English **Two credit hours**
 A study of philosophy, materials, and techniques used in teaching language, literature, and composition in grades 7-12.

CURRICULUM FOR ENGLISH MAJORS

Freshman Year

	Credit		Credit
Fall Semester	Hours	Spring Semester	Hours
English 191	3	English 192	3
French or Spanish 131	3	French or Spanish 132	3
Mathematics 131	3	Art 231	3
Physical Education (Activity)	1	Mathematics 132	3
Biology 140	4	Physical Education (Activity)	1
Orientation 120	<u>2</u>	Physical Science 141	<u>4</u>
	16		17

Sophomore Year

English 231	3	English 232	3
French or Spanish 231	3	French or Spanish 232	3
Religion 130	3	Sociology 131	3
History 131	3	History 132	3
Speech 131	3	English 235 or 439	<u>3</u>
Physical Education 121	<u>2</u>		15
	17		

Junior Year

English 333 or 335	3	English 334 or 336	3
English 330 or 430	3	English 339	3
English 493	3	English 337 or 391	3
English (Elective)	3	Philosophy 131	3
Psychology 131	<u>3</u>	Music 131	<u>3</u>
	15		15

Senior Year

English 431 or 435	3	English 436 or 437	3
English 433	3	English 490	3
Electives	<u>9</u>	Elective	3
	15	Elective	<u>6</u>
			15

CURRICULUM FOR ENGLISH EDUCATION MAJORS

Freshman Year

	Credit		Credit
Fall Semester	Hours	Spring Semester	Hours
English 191	3	English 192	3
French or Spanish 131	3	French or Spanish 132	3
Mathematics 131	3	Art 231	3
Biology 140	4	Mathematics 132	3
Orientation 120	2	Physical Education (Activity)	1
Physical Education 121	<u>3</u>	Physical Science 141	<u>4</u>
	18		17

Sophomore Year

English 231	3	English 232	3
French or Spanish 231	3	French or Spanish 232	3
Religion 130	3	History 132	3
History 131	3	English 439	3
Speech 131	3	Music 131	3
English 235	<u>3</u>	Sociology 131	<u>3</u>
	18		18

Junior Year

English 333 or 335	3	English 334 or 336	3
English 493 or 491	3	English 339	3
English 330 or 430	3	English 337 or 391	3
Education 233	3	English 439	3
Education 221	2	Psychology 237 or 239	3
Education 330	<u>3</u>	Education 222	2
	17	Physical Education (Activity)	<u>1</u>
			18

Senior Year

English 429	2	Education 462	<u>6</u>
English 433	3		6
English 431 or 435	3		
English 490	3		
Physical Education 226	2		
Elective	<u>3</u>		
	16		

REQUIRED COURSES FOR ENGLISH MINORS

English 337 or 391	3
English 333-334	
or 335-336	6
English 339	3
English 437 or 494	3
English 491 or 493	<u>3</u>
	18

PHILOSOPHY AND RELIGION COURSES

PHILOSOPHY

Philosophy courses serve as electives in a wide variety of subjects for students in other disciplines who wish to broaden their intellectual perspectives. Philosophy courses that also serve as general education courses are indicated by a dagger (†) after the course number.

PHILOSOPHY 131† Introduction to Philosophy **Three credit hours**
A course introducing the student to the reading and doing of philosophy. Discussion of methods of philosophical inquiry and representative philosophical concepts. FALL and SPRING SEMESTERS.

PHILOSOPHY 231 Ancient Philosophy Three credit hours

The history of philosophical thought in the Greco-Roman world from the Ionians to the Roman Stoics. Prerequisite: Philosophy 131. FALL and SPRING SEMESTERS.

PHILOSOPHY 233† Practical Logic Three credit hours

A survey of the basic problems of clear and straight thinking with emphasis on their application to the use of language. Prerequisite: Philosophy 131. FALL and SPRING SEMESTERS.

PHILOSOPHY 234† Ethics Three credit hours

A study of basic methods and selected systems of ethical thinking discussed in terms of their relevance to present-day moral issues facing both individuals and society. Prerequisite: Philosophy 131. FALL and SPRING SEMESTERS.

PHILOSOPHY 331 Modern Philosophy Three credit hours

The history of the philosophical thought from the Renaissance to the present time. Prerequisite: Philosophy 231 or permission of the instructor. Alternate years. SPRING SEMESTER.

PHILOSOPHY 333 Philosophy of Religion Three credit hours

A philosophical investigation of such topics as faith and reason, religious language, nature and existence of God, religious view of man. Prerequisite: permission of the instructor. (Same as Religion 333.) Alternate years. SPRING SEMESTER.

PHILOSOPHY 432 Seminar in Philosophy Three credit hours

Advanced research on selected philosophical topics. Prerequisite: permission of the instructor. SPRING SEMESTER.

PHILOSOPHY 490 Philosophy Seminar in the Humanities Three credit hours

(Same as Humanities 490: Senior Humanities Seminar.)

RELIGION

The religion courses provide the opportunity for learning experiences in the following content areas: the Judeo-Christian tradition, including Biblical literature, church history, Afro-American perspectives; the African influence; other major religious traditions in the contemporary world; methods and procedures in Christian education and worship. Religion courses that also serve as general education courses are indicated by a dagger (†) after the course number.

RELIGION 130† The Judeo-Christian Heritage Three credit hours

The essential insights and ideas of the Old and New Testaments and their continuing values for man today. FALL and SPRING SEMESTERS.

RELIGION 131† Survey of the Great Living Religions Three credit hours

A study of the living religions of the world, including the religions of Africa, in the light of their historical development, beliefs, practices, and contemporary importance. FALL and SPRING SEMESTERS.

RELIGION 231 Christian Education Program of the Church Three credit hours

A thorough study of the organization and administration of an effective church program for adults, youth and children. FALL SEMESTER.

RELIGION 232 The Life and Teachings of Jesus **Three credit hours**
 A study of the life and teachings of Jesus as found in the four Gospels and their relation to current problems. FALL SEMESTER.

RELIGION 236 The History of Christianity in America **Three credit hours**
 A continuation of Religion 235. Major aspects of Christian thought and institutions in the United States, from colonial days to the present, with special reference to the development of the Afro-American churches. Alternate years. SPRING SEMESTER.

RELIGION 330 The Black Man: His Religious Institutions and Thought **Three credit hours**
 A study of the Afro-American religious experience. Attention to its African antecedents, its development in dependence upon and independence of Euro-American Christianity, and the emerging critique of religion's relevance to culture. SPRING SEMESTER.

RELIGION 331 Recent Development in Religious Experience **Three credit hours**
 The relation of contemporary religious thought to the occult, witchcraft, astrology, communal living, ESP, drug scene, and new modes of communication. SPRING SEMESTER.

RELIGION 335 The Sociology of Religion **Three credit hours**
 A functional analysis of the interrelationships involving society, culture, and religion. The role of the church and religion in the social order and social change. Alternate years. SPRING SEMESTER.

RELIGION 430 Seminar in Religion **Three credit hours**
 Advanced research on selected topics in religion. SPRING SEMESTER.

RELIGION 490 Religion Seminar in the Humanities **Three credit hours**
 (Same as Humanities 490: Senior Humanities Seminar.)

DEPARTMENT OF FOREIGN LANGUAGES

The Department of Foreign Language is committed to providing an environment in which Johnson C. Smith University students may realize their individual potential as stated in the official purpose of the University. The department seeks to contribute to the student's intellectual, spiritual, social, and emotional growth by developing the communication skills of understanding, speaking, reading, and writing a foreign language and by developing a knowledge and understanding of a foreign culture.

Minors are offered in French and in Spanish. In addition to the objectives previously stated, students who minor in French or Spanish develop the ability to compare and to contrast cultures objectively and to acquire a knowledge of the civilization and literature of the target language.

Students who have studied two or more years of a foreign language in high school are required to take a placement examination in the

language studied. According to their scores, students will be placed in 131, 132, 231, 232. Those students who place in 231, as a result of the placement examination, have satisfied the equivalent of 132. They may elect to continue in the study of a foreign language as electives or upon recommendation of their major departments.

FRENCH

A minor in French consists of twelve credit hours beyond French 232, a total of twenty-four credit hours or the equivalent.

FRENCH 131 Elementary French **Three credit hours**
An introductory course in the audio-lingual skills of listening, speaking, reading, and writing.

FRENCH 132 Elementary French **Three credit hours**
Further emphasis on the audio-lingual skills. Prerequisite: French 131.

FRENCH 231 Intermediate French **Three credit hours**
Continued stress on reading and writing skills. Newspaper and magazine articles to be used as supplementary materials. Prerequisite: French 132.

FRENCH 232 Intermediate French **Three credit hours**
Reading of selected literary works. Special study of grammatical structure. Prerequisite: French 231.

FRENCH 331 French Civilization **Three credit hours**
A series of minicourses conducted in French history, geography, art, music, architecture, film, theatre, French-African literature, French for business and international affairs, and conversation. Prerequisite: French 232.

FRENCH 332 French Civilization **Three credit hours**
A continuation of French 331.

FRENCH 333 Advanced Studies in French Conversation, Grammar, and Composition **Three credit hours**
Instruction in French. Prerequisite: French 232.

FRENCH 334 French Phonetics **Three credit hours**
An intensive study in phonetics. Practical application of phonetics to modern standard French. Extensive oral exercises.

FRENCH 420 Materials and Methods of Teaching High School French **Two credit hours**
A six-week block course. SPRING SEMESTER.

FRENCH 430 French Linguistics **Three credit hours**
A study of the phonology, morphology, and syntax of the French language.

FRENCH 431 French Literature from the Origins Through the Renaissance **Three credit hours**
A study of the literature of France in its beginnings and development through the Middle Ages and the Renaissance. Conducted in French.

FRENCH 432 French Literature of the Seventeenth Century Three credit hours
A study of the masterpieces of the seventeenth century: the works of Corneille, Racine, Moliere, and La Fontaine. Conducted in French.

FRENCH 433 French Literature of the Eighteenth Century Three credit hours
A study of the significant writers and literary trends of the eighteenth century. Conducted in French.

FRENCH 434 French Literature of the Nineteenth Century Three credit hours
A study of the significant writers and literary trends of the nineteenth century. Conducted in French.

FRENCH 435 French Literature of the Twentieth Century Three credit hours
A study of the principal literary trends and significant writers since 1900. Conducted in French

SPANISH

A minor in Spanish consists of twelve credit hours beyond Spanish 232 or a total of twenty-four credit hours.

SPANISH 131 Elementary Spanish Three credit hours
A course designed to develop the skills necessary for oral and written expression.

SPANISH 132 Elementary Spanish Three credit hours
Continued practice in the skills of oral and written expression. Prerequisite: Spanish 131.

SPANISH 231 Intermediate Spanish Three credit hours
Further practice in conversation and composition. Analysis of the basic grammatical principles. Prerequisite: Spanish 132.

SPANISH 232 Intermediate Spanish Three credit hours
Continued emphasis on spoken and written Spanish. Prerequisite: Spanish 231.

SPANISH 331 Advanced Spanish Grammar, Composition, and Conversation Three credit hours
Selected readings in Spanish and Latin-American literature. For students who desire intensive oral and written work in Spanish. Prerequisite: Spanish 232.

SPANISH 332 Advanced Spanish Grammar, Composition, and Conversation Three credit hours
Selected readings in Spanish and Latin-American literature. For students who desire intensive oral and written work in Spanish. Prerequisite: Spanish 331.

SPANISH 333 Survey of Spanish and Spanish-American Literature to 1700 Three credit hours
Lectures, reading, discussions, and reports conducted in Spanish.

SPANISH 334 Survey of Spanish and Spanish-American Literature Since 1700 Three credit hours
Lectures, readings, discussions, and reports conducted in Spanish. Prerequisite: Spanish 333.

SPANISH 335 Spanish for Business**Three credit hours**

A conversational introduction to a specialized area of Spanish which provides the opportunity to acquire business tools in Spanish.

SPANISH 430 Latin American Civilization and Culture**Three credit hours**

Lectures, readings, discussions and reports dealing with Latin American history and culture.

SPANISH 431 The Golden Age of Spanish Literature: The Most Important Works**Three credit hours**

Lectures, readings, discussions, and reports. Includes masterpieces of the Golden Age. Conducted in Spanish. Prerequisite: Spanish 332.

DEPARTMENT OF MUSIC

The Department of Music has the following aims and objectives: first, to provide experiences contributing to the students' development as music creators, performers, and teachers; second, to lead students to an understanding of music as a means of universal and personal expression; third, to provide opportunities for students to experience many types and styles of music; fourth to assist students with special talent and interest to prepare for further education and careers in music-related fields; fifth, to provide career offerings and musical experience for students other than those enrolled in the music major program; and sixth, to provide enrichment for the cultural life of Johnson C. Smith University and the community at large.

Students planning to enter either the music education program or the music-business program should begin the course of study in the freshman year.

ENTRANCE REQUIREMENTS

The musical preparation required for admission into the music education and music business programs should include a knowledge of elementary theory sufficient for admission, without condition, to the freshman theory course and the demonstration of sufficient background in the technique and literature of the chosen area of study.

An entrance examination will be given to students who wish to pursue either music major program. The examination will consist of an audition and an aptitude test. The audition should be arranged before arrival on campus. Auditions are also given during the Freshman Orientation Week and during the school year. Students who live great distances from the campus may submit tapes.

Students who are deficient in theory and in their major instrument will not be accepted into the Music Department until they demonstrate an acceptable entry level.

GENERAL REQUIREMENTS FOR ALL MUSIC MAJORS

All music majors are required to:

1. Attend concerts, seminars and recitals presented by the department. Attendance will be monitored and considered a part of the student's grade in applied music courses.
2. Participate in ensembles, with or without credit, during their entire period of study at the University.
3. Become members of the Student Chapter 341 of the Music Educators National Conference.
4. Demonstrate proficiency in a major performing medium by presenting a senior recital during their senior year.
5. Appear before the faculty for a jury examination in each applied music area studied at the end of each semester.
6. Attain minimum performance requirements in both piano and voice.
7. Pass a proficiency test in ear training, sight-singing and rhythmic reading at the end of the first semester of the junior year. Failure to pass this examination will require additional study, either in course work or private study, until this deficiency is removed.
8. Pass a comprehensive examination during the senior year covering music theory, music history and literature, and music education or music business. Failure to pass this examination will require additional study, either in course work or private study, until this deficiency is removed.
9. Earn a minimum grade of C in any course which counts toward the major.

THE MUSIC EDUCATION MAJOR

The Bachelor of Arts degree with a major in music education is designed for students who wish to be certified in public school music. The music education program prepares the student for the North Carolina A Certificate for elementary and secondary school teaching. All music education majors are required to qualify for the North Carolina A Certificate and they must complete the professional and certification courses as outlined by the Department of Education, including Education 462, Student Teaching in the Secondary School. The student must pass the National Teachers Examination in order to be certified as a public school music teacher.

The student may select from two areas of preparation in music education, the Instrumental Program and the General Program. The student will demonstrate his competencies by completing forty-eight to fifty-three semester hours of study in music and music education.

The completion of the music education major will require either a heavier than average load during the student's four years, one or two summer sessions, an additional semester, or a fifth year.

MUSIC FEES

Individual lessons in all applied music: \$15.00 per one-half credit hour. Practice fee for all instruments: \$10.00 per semester.

ENSEMBLES

The Johnson C. Smith University Choir

The Johnson C. Smith University Choir is composed of students selected from all departments of the University and has been enthusiastically received in outstanding performances in many sections of the country. The choir studies and performs, with the highest standards possible, the best choral literature selected from the various periods and styles. The study and performance of this literature emphasizes (1) the principles of vocal production, i.e., breathing, posture, diction, tone quality, balance, blending, and (2) interpretation, i.e., tempo and rhythm, phrasing, dynamics and climax, attack and unanimity, pitch or intonation, and spirit or emotion. Members are accepted on the basis of a simple audition and may register for credit or participate without credit.

The Johnson C. Smith University Marching Band

The Johnson C. Smith University Marching Band is composed of students selected from all departments of the University. The Marching band studies and performs, with the highest standards possible, and the best marching band literature. The band performs at all home football games, and on occasion, at games played away from the campus. Occasionally, the band participates in parades and other functions held within the Charlotte area. Members are accepted on the basis of auditions which are held at the beginning of each fall semester. Members receive one credit hour for each semester in which they participate.

The Johnson C. Smith University Concert Band

The Johnson C. Smith University Concert Band is composed of students selected from all departments of the University. The Concert Band performs on the campus and at schools and other functions held within the Charlotte area. The band studies and performs the best band literature with the highest possible standards. The band serves as a laboratory for instrumental conducting students. Members are accepted on the basis of auditions which are held at the beginning of the spring semester. Members receive one credit hour for each semester in which they participate.

The Johnson C. Smith University Jazz Band

The Johnson C. Smith University Jazz Band is composed of members of the Concert Band. The Jazz Band strives to develop the talents of members in the area of jazz and Big Band music style. The band performs on the campus and throughout the Charlotte area. Auditions for membership in the Jazz Band are open to members of the Concert Band.

The University String Ensemble

The University String Ensemble is open to all students of the University. It studies and performs literature of the various periods and styles. The ensemble meets once a week and presents one performance each semester.

All ensembles serve as laboratories for conducting, and, where applicable, accompanying. All applied music classes serve as laboratories for accompanying.

THE MUSIC MINOR

A minor in music consists of twenty credit hours, including eight credit hours of theory, six credit hours of music history and literature, and six credit hours of approved electives.

MUSIC THEORY

MUSIC 132 The Fundamentals of Music Three credit hours

A review course in basic musicianship, including the fundamentals of music and music theory. (Four class meetings per week.)

MUSIC 133 Music Theory I Three credit hours

The integrated study of written theory and harmony, keyboard harmony, aural theory, analysis, and literature. Prerequisite: demonstration of competencies in Music 132. (Four class meetings per week.)

MUSIC 134 Music Theory II Three credit hours

A continuation of areas begun in Music 133. Prerequisite: demonstration of competencies required in Music 133. (Four class meetings per week.)

MUSIC 233 Music Theory III Three credit hours

The advanced integrated study of the materials and literature of music. Prerequisite: demonstration of competencies required in Music 134. (Four class meetings per week.)

MUSIC 234 Music Theory IV Three credit hours

A continuation of areas begun in Music 233. Prerequisite: demonstration of competencies required in Music 233. (Four class meetings per week.)

MUSIC 322 Conducting Two credit hours

A study of the technique of conducting instrumental and vocal groups.

MUSIC 323 Orchestration **Two credit hours**
A study of instruments of the orchestra, together with the practical study of the art of symphonic scoring.

MUSIC 427 Form and Analysis **Two credit hours**
A study of the small part-forms through the larger part-forms.

APPLIED MUSIC

Piano

MUSIC 113-114 Piano (Individual) **One credit hour**
Instruction to meet the needs of students at various stages of proficiency.

MUSIC 213-214 Piano (Individual) **One credit hour**
Additional technique and repertoire materials.

MUSIC 313-314 Piano (Individual) **One credit hour**
Continuation of advanced technique and literature.

MUSIC 413-414 Piano (Individual) **One credit hour**
Continuation of advanced technique and literature. Senior recital.

MUSIC 423-424 Piano (Individual) **Two credit hours**
Advanced study of technique and repertoire.

Organ

MUSIC 117-118 Organ (Individual) **One credit hour**
A course requiring students to demonstrate ability to play the piano fluently, to have a working knowledge of scales, triads, and arpeggios, and to sight-read accurately. Principles of organ touch and technique; preparatory manual and pedal studies; selected pieces from standard organ repertoire.

MUSIC 217-218 Organ (Individual) **One credit hour**
Advanced pedal and manual studies continued. Simple modulations at the organ; transpositions and improvisations; repertoire building continued.

MUSIC 317-318 Organ (Individual) **One credit hour**
Continuation of previous course.

MUSIC 417-418 Organ (Individual) **One credit hour**
Continuation of previous course.

Voice

MUSIC 115-116 Voice **One credit hour**
Study and principles of voice production, examination and evaluation of solo materials, classification of voices. Prerequisite to advanced courses in voice.

MUSIC 215-216 Voice (Individual) **One credit hour**
Continuation of Voice 115-116.

MUSIC 315-316 Voice (Individual) **One credit hour**
Continuation of Voice 215-216.

MUSIC 415-416 Voice (Individual) **One credit hour**
Continuation of Voice 315-316. Senior recital.

MUSIC 425-426 Voice (Individual) **Two credit hours**
Advanced study of technique and repertoire.

Orchestral Instruments

MUSIC 610-611 String Class **One credit hour**
A course for the beginner. Individual and ensemble playing of exercises, scales, arpeggios, and easy compositions

MUSIC 612-613 Strings (Individual) **One credit hour**

MUSIC 614-615 Strings (Individual) **One credit hour**

MUSIC 616-617 Strings (Individual) **One credit hour**

MUSIC 618-619 Strings (Individual) **One credit hour**
A study of the technique and repertoire of the chosen instrument.

MUSIC 710-711 Woodwind Class **One credit hour**
A course for the beginner. Individual and ensemble playing of exercises, scales, arpeggios, and easy compositions.

MUSIC 712-713 Woodwind (Individual) **One credit hour**

MUSIC 714-715 Woodwind (Individual) **One credit hour**

MUSIC 716-717 Woodwind (Individual) **One credit hour**

MUSIC 718-719 Woodwind (Individual) **One credit hour**
A study of the technique and repertoire of the chosen instrument. Senior recital.

MUSIC 720-721 Woodwind (Individual) **Two credit hours**
Advanced study of technique and repertoire.

MUSIC 810-811 Brass and Percussion Class **One credit hour**
A course for the beginner. Individual and ensemble playing of exercises, scales, arpeggios, and easy compositions.

MUSIC 812-813 Brass and Percussion (Individual) **One credit hour**

MUSIC 814-815 Brass and Percussion (Individual) **One credit hour**

MUSIC 816-817 Brass and Percussion (Individual) **One credit hour**

MUSIC 818-819 Brass and Percussion (Individual) **One credit hour**
A study of the technique and repertoire of the chosen instrument. Senior recital.

MUSIC 820-821 Brass and Percussion (Individual) **Two credit hours**
Advanced study of technique and repertoire.

MUSIC EDUCATION

MUSIC 339 The Teaching of Music in the Elementary School Three credit hours

Principles, objectives, materials, and procedures for meeting the needs of the classroom teacher in the elementary school. Designed for elementary education majors.

MUSIC 432 Music in the School Curriculum Three credit hours

Principles, objectives, materials, and procedures for meeting the needs of the music teacher in the total school curriculum. The problems of organization, administration and teaching techniques of the music teacher and supervisor in the elementary through the secondary school will be explored. Required for all music education majors.

MUSIC 433 Vocal and Choral Methods Three credit hours

Study of the voice dealing with techniques of vocal production, vocal problems, vocal literature and techniques for teaching voice to students and adults. Methods, materials, rehearsal techniques, administration and other major choral problems will be studied. Required for general music education majors.

MUSIC 434 Instrumental Methods Three credit hours

Study of methods, materials, techniques, organization, administration, equipment, marching band techniques and other major problems of instrumental teaching. Required for instrumental music education majors.

MUSIC LITERATURE AND HISTORY

MUSIC 131 Introduction to Music Literature Three credit hours

An introduction to the history and literature of music.

MUSIC 337-338 Music History and Literature Three credit hours

A general survey of the development of music from primitive sources to the present day.

MUSIC 429 Independent Study or Seminar Two credit hours

Investigation of some aspect of music or music education. Prerequisite: permission of the department.

ENSEMBLES

MUSIC 111X-112X Vocal Ensemble (University Choir) One credit hour

A course that presents choral music of the best type in performances of the highest possible standard. Members chosen by audition.

MUSIC 113X-114X Instrument Ensemble (University Band) One credit hour

A course that presents instrumental music of the best type in performances of the highest possible standard. Members chosen by audition.

CURRICULUM FOR MUSIC EDUCATION MAJORS
(INSTRUMENTAL)

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
Phil 131 or Religion 130	3	Mathematics 132	3
Mathematics 131	3	Speech 131	3
Music 133	3	Music 134	3
Music 113	1	Music 114	1
Music 115	1	Music 116	1
Major Instrument	1	Major Instrument	1
Physical Education (Activity)	1	Physical Education (Activity)	1
Orientation 120	<u>2</u>	Physical Education 121	<u>2</u>
	18		18

Sophomore Year

English 231	3	English 232	3
French 131	3	French 132	3
Art 231	3	Social Science Requirement	3
Education 230	3	Education 231	3
Music 233	3	Music 234	3
Music 213	1	Music 214	1
Major Instrument	1	Major Instrument	1
Music 610	<u>1</u>	Music 611	<u>1</u>
	18		18

Summer: Psychology 237
Summer: Education 321

Junior Year

History 131	1	History 132	3
Major Instrument	1	Psychology 239	3
Music 810	1	Social Science	3
Education 312	1	Education 393	3
Music 131	3	Music 338	3
Music 332	3	Music 711	1
Music 337	3	Major Instrument	1
Music 427	2	Music 811	<u>1</u>
Music 710	<u>1</u>		18
	16		

Senior Year

Biology 140	4	Education 432	3
Physical Science 141	4	Education 492	<u>9</u>
Music 432	3		12
Music 434	3		
Music 323	2		
Major Instrument	<u>2</u>		
	18		

CURRICULUM FOR MUSIC EDUCATION MAJORS
(GENERAL)
PIANO/VOICE

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
Religion 130 or Phil 131	3	Mathematics 132	3
Mathematics 131	3	Speech 131	3
Music 133*	3	Music 134*	3
Music 113	1	Music 114	1
Music 115	1	Music 116	1
Physical Education (Activity)	1	Physical Education (Activity)	1
Orientation 120	<u>2</u>	Physical Education 121	<u>2</u>
	17		17

Sophomore Year

English 231	3	English 232	3
History 131	3	History 132	3
French 131	3	French 132	3
Education 230	3	Education 231	3
Music 233	3	Music 234	3
Music 213	1	Music 214	1
Music 215	<u>1</u>	Music 216	<u>1</u>
	17		17

Summer: Psychology 237

Junior Year

Art 231	3	Psychology 239	3
History 131	3	History 132	3
Education 312	1	Social Science	3
Music 131	3	Education 393	3
Music 337	3	Music 338	3
Music 313	1	Music 314	1
Music 315	1	Music 316	1
Music 427	<u>2</u>	Music 810	<u>1</u>
	17		18

Summer: Physical Science 141

Senior Year

Biology 140	4	Education 432	3
Music 433	3	Education 492X	<u>9</u>
Music 432	3		12
Music 322	2		
Music 610	1		
Music 710	1		
Major Instrument	<u>2</u>		
	16		

MUSIC-BUSINESS MAJOR

The Bachelor of Arts degree with a major in music and a concentration in business is designed for students who wish to pursue a career in music and business, encompassing management, sales and other business facets of music production. This course of study will present to the student the fundamentals of music theory and practice, applied music, and music history and literature. Applied music courses will stress technique, repertoire, and sources of materials of all instruments.

The program requires a minimum of seventy semester hours credit for graduation. A summary of the required areas is as follows: music, twenty-two/twenty-six semester hours; business, twenty-one semester hours; internship (Economics 461), six semester hours; electives (music-business), eighteen/twenty-one semester hours.

The most important aspect of the curriculum is that of the internship. Internships are based on the cooperative education principle—that of combining classroom learning with periodic intervals of planned and supervised practical experience away from the campus.

The management of artists is investigated and the possibility of working with radio and television is explored. In short, this course of study attempts to give the student the fundamentals of music theory, history and practice, as well as an understanding of the operation of the business system of the lucrative field of music.

APPLIED MUSIC

All students will complete six semester hours credit in a major instrument. The choice of the major instrument will determine the curriculum which the student will follow.

All students will be auditioned in their major instrument and given advice relative to their registration and choice of a program of study.

ENSEMBLES

All students are expected to participate in ensembles for a minimum of two years.

The student may earn a maximum of four semester hours credit toward graduation and he may elect ensembles each semester for no credit, depending upon his load.

ELECTIVES

The student will augment the basic program with courses elected from the following list:

Music	
Ensembles—University Choir 111X-112X University Band 113X-114X (Maximum—four credit hours)	
	Credit Hours
Conducting—Music 322	2
Orchestration—Music 323	2
Music Literature and History—Music 337-338	3 (each semester)
Form and Analysis—Music 427	2
NOTE: Theory—Music 233-234 is a prerequisite of the above music courses, with the exception of the ensemble courses.	

Business	
	Credit Hours
Principles of Management—Business 333	3
Personnel Management—Business 334	3
Microeconomic Theory—Economics 335	3
Marketing Research—Marketing 431	3
Managerial Marketing—Marketing 432	3
Accounting—Intermediate 335-336	3 (each semester)
Marketing—Advertising 332	3
NOTE: These courses must be approved by the Business Administration Department.	

SUGGESTED PROGRAM OF STUDIES FOR MUSIC-BUSINESS
MAJORS
PIANO/ORGAN

First Year

Courses	Fall Semester	Spring Semester
English 191-192	3	3
Philosophy 131 or Religion 130	3	—
Art 231	—	3
Mathematics 131-132	3	3
Speech 131	—	3
Music 131	3	
Music 133-134*	3	3
Music 113-114 or Music 117-118	1	1
Orientation 120	<u>2</u>	<u>—</u>
Total	18	16

*Students who do not demonstrate competencies to pursue this course will be required to take Music 132, The Fundamentals of Music.

Second Year

Courses	Fall Semester	Spring Semester
English 231-232	3	3
History 131-132	3	3
Social Science	3	3
Music 213-214 or Music 217-218	1	1
Music 610	1	—
Music 115	—	1
Music 233-234	3	3
Economics 131-132	3	3
Physical Education (Activity)	<u>1</u>	<u>1</u>
Total	18	18

Summer: Biological Science 140 - 4 Semester Hours

Third Year

Principles of Accounting 235-236	3	3
Principles of Marketing 331	3	—
Marketing and Salesmanship 333	3	—
Marketing and Retailing 334	—	3
Physical Science 141	4	—
Music 313-314 or Music 317-318	1	1
Music 710	1	1
Music 810	—	1
Electives	—	4
French 131-132	3	3
Physical Education 121	<u>—</u>	<u>2</u>
	18	18

Fourth Year

Music 429 (Projects)	2	—
Music 117**	1	*
Economics 461 (Internship)	—	6
Electives	<u>14-15</u>	<u>—</u>
Total	17-18	6

*For Organ majors

**For Piano majors

VOICE/WOODWINDS/BRASS OR PERCUSSION/STRINGS

First Year

Courses	Fall Semester	Spring Semester
English 191 and 192	3	3
Philosophy 131 or Religion 130	3	—
Art 231	—	3
Mathematics 131-132	3	3
Speech 131	—	3
Music 131	3	—
Music 133-134*	3	3
Music 113-114	1	1
Music 115-116 or Music 712-713 or Music 812-813 or Music 612-613	1	1
Applied Music	1	—
Physical Education (Activity)	<u>—</u>	<u>1</u>
Total	18	18

Second Year

English 231-232	3	3
History 131-132	3	3
Social Science Requirement 131	3	
Music 213-214	1	1
Music 215-216 or Music 714-715 or Music 814-815 or Music 614-615	1	1
Music 233-234	3	3
Economics 131-132	3	3
Applied Music	—	1
Physical Education (Activity)	<u>1</u>	<u>1</u>
Total	18	16

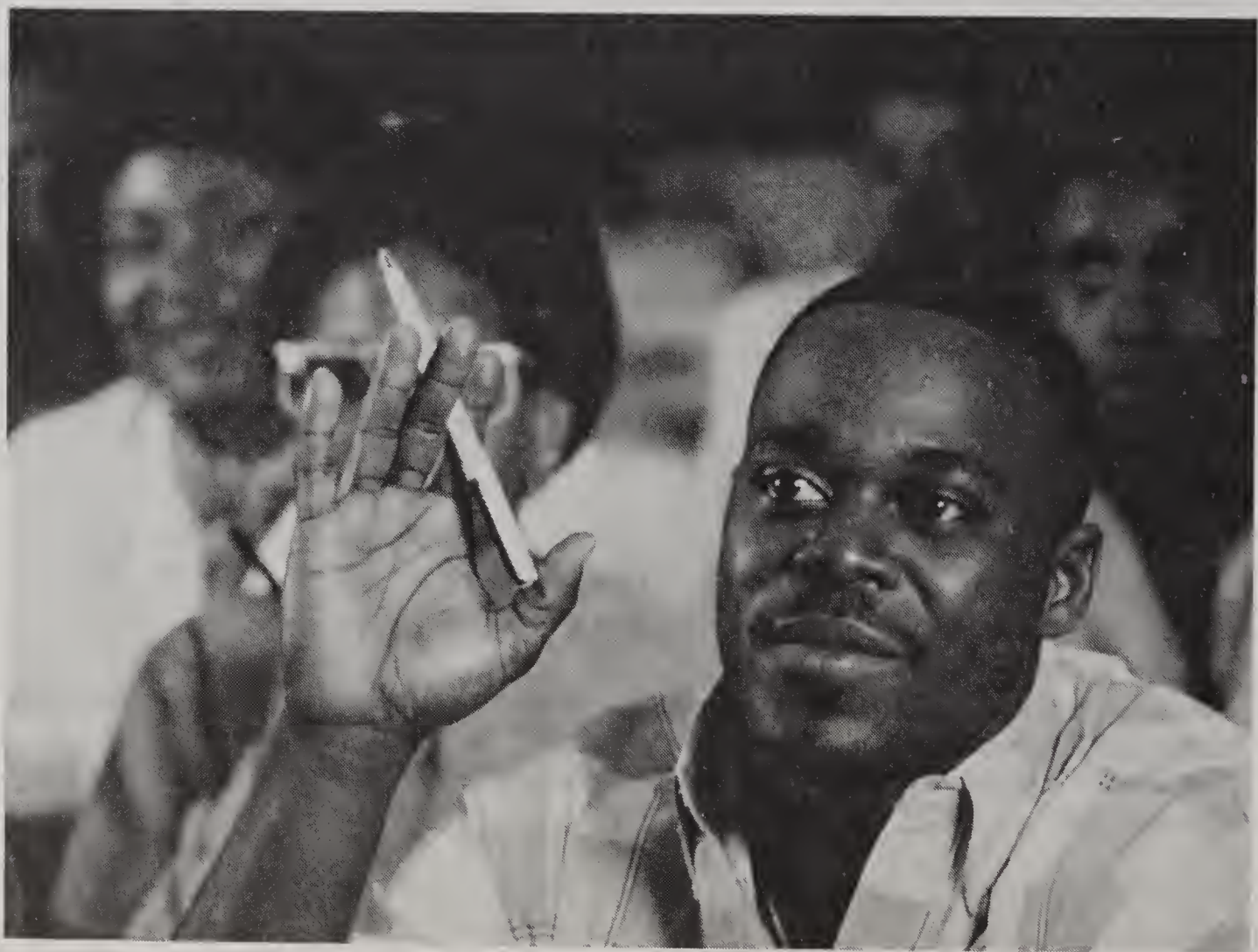
Summer: Biological Science - 4 Semester Hours
Social Science requirement - 131

Third Year

Principles of Accounting 235-236	3	3
Principles of Marketing 331	3	3
Marketing and Salesmanship 333	3	3
Marketing and Retailing 334	—	3
Physical Science 141	4	—
Applied Music**	2	1
French 131-132	3	3
Physical Education 121	<u>—</u>	<u>2</u>
Total	18	18

**Students who do not demonstrate competencies to pursue this course will be required to take Music 132, the Fundamentals of Music.*
***The student’s major instrument will determine the selection of applied music courses during the junior year.*

Courses	Fall Semester	Spring Semester
Applied Music**		
Voice 315-316	1	1
Woodwinds 710	—	1
Organ 117	1	—
Strings 610	1	—
OR		
Woodwinds 716-717	1	1
Voice 115	—	1
Organ 117	1	—
Strings 610	1	—
OR		
Brass or Percussion 816-817	1	1
Voice 115	—	1
Organ 117	1	—
Strings 610	1	—
OR		
Strings 616-617	1	1
Woodwinds 710	—	1
Organ 117	1	—
Voice 115	1	—
Fourth Year		
Music 429 (Projects)	2	—
Economics 461 (Internship)	—	6
Brass/Percussion 810 OR Woodwinds 710	1	—
Electives	13-15	—
Total	16-18	6



DIVISION II: THE SOCIAL SCIENCES

The Division of the Social Sciences is composed of the following departments: Economics-Business Administration, History-Political Science-Urban Studies/Community Affairs, and Sociology-Social Work. The division offers majors in business administration (with concentrations in accounting, banking and finance, management, and marketing), economics, history, political science, social sciences (social studies), sociology and urban studies. Students majoring in any of these areas are required to take the following introductory courses: Economics 231, Political Science 131, Sociology 131, History 131/132, Urban Studies 131.

THE SOCIAL SCIENCE MAJOR (SOCIAL STUDIES EDUCATION)

The social science major, consisting of forty-two credit hours of course work, is designed basically to accommodate two categories of students: (1) those who are prospective social studies teachers and (2) those who are seeking a more general background in the social science area. Students electing to major in the social sciences are required to complete twenty-one credit hours of subject matter concentration (history is highly recommended) and twenty-one credit hours of course work chosen from three or more of the other major areas in the social sciences division, including History 235 which may count in either category.

Because history remains a basic part of the secondary school curriculum, prospective teachers will be more marketable with a concentration in history. In this case History 131-132, 135-136, 235, plus any six credit hours electives in history are required. Students concentrating in a social science discipline other than history are required to take all required courses within that discipline plus History 235.

The prospective teacher should check with the Department of Education for a list and sequence of education courses required. Education 326, Materials and Methods in High School Social Studies, is required.

SOCIAL SCIENCE

Social Science 233 Statistics for the Social and Behavioral Sciences Three credit hours

The application of descriptive and inferential statistics to data in the social and behavioral sciences. Emphasis on data classification, data reduction, the normal distribution, z scores, probability, hypothesis testing, z test, t test, statistical power. Prerequisites: Mathematics 131 and 132. (Same as Psychology 233, Sociology 233) FALL SEMESTER

SOCIAL SCIENCE 326 Material and Methods in High School Social Studies Two credit hours

Concerned with the philosophy, aims, methods, and techniques of teaching the social studies in secondary school. This course is a prerequisite for student teaching in the field of social studies. Offered upon demand.

SOCIAL SCIENCE 490 Social Science Seminar Three credit hours

A course designed to help students to achieve a synthesis of social science knowledge. Conducted by selected members of the division faculty. Open to juniors and seniors, open to non-majors by permission of the staff. Offered for credit in students' chosen areas of concentration. (Same as Sociology 490.)

CURRICULUM FOR SOCIAL SCIENCE MAJORS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
Sociology 131	3	Psychology 131	3
History 131	3	History 132	3
Speech 131	3	Music 131	3
Math 131	3	Math 132 or 136	3
Orientation 120	<u>2</u>	Physical Education (Activity)	<u>1</u>
	17		16

Sophomore Year

English 231	3	English 232	3
History 235	3	Art 231	3
Biology 140	4	Physical Science 141	4
Physical Education (Activity)	1	Physical Education 121	2
French or Spanish 131	3	French or Spanish 132	3
Education 232	<u>3</u>	Education 230	<u>3</u>
	17		18

Junior Year

History 135	3	History 136	3
Sociology 133	3	History elective	3
Geography 130	3	Political Science 131	3
Psychology 237	3	Education 395	3
Education 331	3	Psychology 239	3
Religion 130 or Phil 131	<u>3</u>	Education 393	<u>3</u>
	18		18

Senior Year

Economics 131	3	Education 432	3
Social Science 326	2	Education 492X	<u>9</u>
History electives	6		12
Social sciences electives	<u>6</u>		
	17		

DEPARTMENT OF ECONOMICS AND BUSINESS ADMINISTRATION

The Department of Business Administration has a fourfold purpose: first, to guide students in understanding the operation of business and economic systems and to stress the interrelation among the various social sciences; second, to prepare students for entry level jobs in profit and nonprofit-making organizations; third, to provide a broad background for majors who intend to pursue graduate studies in economics, business, and other related fields; fourth, to develop leadership qualities in students that are necessary for making a constructive contribution to society through a chosen vocation.

The department offers majors in economics and business administration with a concentration in either accounting, banking and finance, management, or marketing.

In addition to the general education requirements each student is expected to complete a 3 hour international elective course offered by the business department. All majors must also complete introductory courses in history, political science, sociology, and urban studies. A minimum grade of C must be earned in courses which count toward the major.

Listed below is a core of courses that all economics and business majors are required to complete.

ECONOMICS (EC)

A Bachelor of Arts Degree in Economics requires the completion of 125 hours. This includes 62 hours of general education requirements, 36 hours of the business administration core, 9 hours of economics in addition to the core courses, banking and finance 331 (3 hrs.) and 15 hours of electives. Nine hours of electives must be chosen from the economics area.

REQUIRED COURSES (IN ADDITION TO GENERAL EDUCATION REQUIREMENTS AND CORE)

Economics 335	3 hrs.	Economics 433	3 hrs.
Economics 336	3 hrs.	Banking and Finance 331	3 hrs.

Description of Courses in Major area

- ECONOMICS 231-232

Principles of Economics

Three credit hours each

An introductory course in principles and theories of economics. Prerequisite: English 192 and Math 137
- ECONOMICS 233

Statistics

Three credit hours

Principles of applied business statistics, collection, tabulation, classification, presentation of business and economic data. Prerequisite: Economics 231-232 (Formerly Econ 234)

- ECONOMICS 234 Quantitative Methods** **Three credit hours**
 An introduction to analytical decision-making tools used in business and economics. Topics include matrices, linear programming, simulation, queuing theory, and others. Prerequisite: Economics 233 (Formerly Economics 233)
- ECONOMICS 332 Urban and Regional Economics** **Three credit hours**
 An analysis of the various theories of regional and urban development.
- ECONOMICS 333 Economic Development of the United States** **Three credit hours**
 A study of the economic history of the United States during the twentieth century. Prerequisite: Economics 231-232.
- ECONOMICS 334 International Economics and Social Problems** **Three credit hours**
 A comprehensive view of the international field of exchange, production, and distribution.
- ECONOMICS 335 Microeconomic Theory** **Three credit hours**
 Examination of value and distribution theory, including the theory of consumer behavior and the theory of the firms. Prerequisite: 231-232.
- ECONOMICS 336 Macroeconomic Theory** **Three credit hours**
 An analysis of the national income level, employment and price level. Prerequisite: Economics 335.
- ECONOMICS 431 Industrial Organization and Regulation of Business** **Three credit hours**
 A discussion of market structures and problems of public policy created by the attempt at their control and regulation. Prerequisite: Economics 335 and 336.
- ECONOMICS 433 Economic Development** **Three credit hours**
 A study of the economics of underdeveloped countries. Major concentration on African countries. Prerequisite: Economics 335 and 336.
- ECONOMICS 461 A-B Cooperative Education Experience I** **Six credit hours each**
 Full-time cooperative education experience related to Economics. Student is engaged in co-op during alternating semesters of a four-semester cycle. Minimum of forty hours per week of paid, on-the-job experience designed to bridge the gap between the academic world and the business world. Student must have a minimum overall grade point average of 2.5. Prerequisite: Six hours of Business Administration courses.
- ECONOMICS 490 Internship** **Three credit hours**
 Internship related to Economics. Minimum of 8 hours per week of on-the-job experience designed to bridge the gap between the academic world and the business world. Student must have an overall grade point average of 2.0. Prerequisite: Six hours of Business Administration courses. Only one period of internship is permitted.
- ECONOMICS 491 A-B Cooperative Education Experience II** **Three credit hours each**
 Part-time cooperative education experience related to Economics. Consists of parallel periods of study and employment. Two consecutive semesters. Minimum of twenty hours per week of paid, on-the-job experience. Otherwise, similar to Economics 461 A-B.

CURRICULUM FOR THE MAJOR AREA

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
Mathematics 131	3	Mathematics 137	3
Speech 131	3	Music 131	3
History 131	3	History 132	3
Political Science 131	3	Sociology 131	3
Orientation 120	2	Physical Ed. (Activity)	<u>1</u>
Physical Ed. (Activity)	<u>1</u>		16
	18		

Sophomore Year

English 231	3	English 232	3
French or Spanish 131	3	French or Spanish 132	3
Art 231	3	Religion 130 or Phil. 131	3
Physical Education 121	2	Computer Science 131	3
Accounting 235	3	Accounting 236	3
Economics 231	<u>3</u>	Economics 232	<u>3</u>
	17		18

Junior Year

Economics 233	3	Economics 234	3
Banking and Finance 330	3	Marketing 331	3
Banking and Finance 331	3	Management 333	3
Management 335	3	Physical Science 141	4
Biology 140	<u>4</u>	Elective	<u>3</u>
	16		16

Senior Year

Economics 335	3	Economics 336	3
Economics 433	3	Management 435	3
Electives	6	Electives	<u>6</u>
(Controlled by Dept.)	<u>—</u>		12
	12		

BUSINESS ADMINISTRATION

The courses offered in the Business Administration Curriculum provide specialized concentration in four areas: Accounting, Banking and Finance, Management, and Marketing. Each student is required to choose one area of concentration.

ACCOUNTING (AC)

A Bachelor of Science in Business Administration with a concentration in Accounting requires the completion of 125 hours. This includes 62 hours of general education requirements, 36 hours of the Business Administration core, 21 hours of Accounting and Accounting-specified courses (in addition to the core), and 6 hours of electives.

REQUIRED COURSES (IN ADDITION TO GENERAL EDUCATION REQUIREMENTS AND CORE)

Accounting 335	3 hrs.	Accounting 437	3 hrs.
Accounting 336	3 hrs.	Accounting 439	3 hrs.
Accounting 337	3 hrs.	Accounting 438	3 hrs.
Accounting 435	3 hrs.		

Description of Courses in Major Area

ACCOUNTING 235 Principles of Accounting (I) Three credit hours

A study of fundamental accounting principles with emphasis on managerial use of accounting data and analysis of financial statements. Prerequisite: Math 137.

ACCOUNTING 236 Principles of Accounting (II) Three credit hours

A study of basic accounting theory, corporate reporting, and a continuation of the topics covered in Accounting 235. Prerequisite: Accounting 235.

ACCOUNTING 335 Intermediate Financial Accounting (I) Three credit hours

An analysis of the requirements of the members of a firm's external environment for financial data of the organization. Prerequisite: Accounting 236.

ACCOUNTING 336 Intermediate Financial Accounting (II) Three credit hours

A continuation of the subject matter of AC 335, including examples involving public sector firms. Prerequisite: Accounting 335.

ACCOUNTING 337 Cost Accounting Three credit hours

The study of basic principles, practices, and procedures of cost accounting including coverage of job order costing, process cost accounting, managerial profit planning and analysis, and budgeting. Prerequisite: Accounting 336.

ACCOUNTING 435 Advanced Accounting Three credit hours

An in-depth study of corporate accounting. Includes an analysis and evaluation of the structure and use of financial statements and reports, including consolidated statements. Prerequisite: Accounting 336.

ACCOUNTING 436 CPA Review Three credit hours

Problems of accounting peculiar to examination leading to CPA Certificate. Prerequisite: Accounting 435.

ACCOUNTING 437 Federal Income Tax Analysis I Three credit hours

An analysis of Federal Income Taxation and its application to individual and organizations. Prerequisite: Accounting 236.

ACCOUNTING 438 Federal Income Tax Analysis II Three credit hours

A continuation of AC 437. Emphasis is given to the issues of estates, trusts, and inheritance taxes. Prerequisite: Accounting 437.

ACCOUNTING 439 Auditing Three credit hours

A study of the purposes and scope of audits and examinations, auditing standards, various types of audits, and the form of auditing reports. Prerequisite: Accounting 336.

ACCOUNTING 461 A-B Cooperative Education Experience I **Six credit hours**
Full-time cooperative education experience related to Accounting. Student is engaged in co-op during alternating semesters of a four-semester cycle. Minimum of forty hours per week of paid, on-the-job experience designed to bridge the gap between the academic world and the business world. Student must have a minimum overall grade point average of 2.5. Prerequisite: Six hours of Business Administration courses.

ACCOUNTING 490 Internship **Three credit hours**
Internship related to Accounting. Minimum of 8 hours per week of on-the-job experience designed to bridge the gap between the academic world and the business world. Student must have an overall grade point average of 2.0. Prerequisite: Six hours of Business Administration courses. Only one period of internship is permitted.

ACCOUNTING 491 A-B Cooperative Education Experience II **Three credit hours each**
Part-time cooperative education experience related to Accounting. Consists of parallel periods of study and employment. Two consecutive semesters. Minimum of twenty hours per week of paid on-the-job experience. Otherwise, similar to Accounting 461 A-B.

CURRICULUM FOR THE MAJOR AREA

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
Mathematics 131	3	Mathematics 137	3
Speech 131	3	Music 131	3
History 131	3	History 132	3
Political Science 131	3	Sociology 131	3
Orientation 120	2	Physical Ed. (Activity)	<u>1</u>
Physical Ed. (Activity)	<u>1</u>		16
	18		

Sophomore Year

English 231	3	English 232	3
French or Spanish 131	3	French or Spanish 132	3
Art 231	3	Religion 130 or Phil. 131	3
Physical Education 121	2	Computer Science 131	3
Accounting 235	3	Accounting 236	3
Economics 231	<u>3</u>	Economics 232	<u>3</u>
	17		18

Junior Year

Economics 233	3	Economics 234	3
Management 335	3	Accounting 438	3
Biology 140	4	Physical Science 141	4
Accounting 335	3	Management 333	3
Accounting 337	<u>3</u>	Accounting 336	<u>3</u>
	16		16

Senior Year			
Accounting 437	3	Accounting 435	3
Accounting 439	3	Management 435	3
Banking and Finance 330	3	Maketing 331	3
Elective	3	Elective	<u>3</u>
(Controlled by Dept.)	—		12
	12		

BANKING AND FINANCE (BF)

A Bachelor of Science in Business Administration with a concentration in Business and Finance requires the completion of 125 hours. This includes 62 hours of general education requirements, 36 hours of the Business Administration core, 18 hours of Banking and Finance and Banking and Finance-specified courses (in addition to the core), and 9 hours of electives.

REQUIRED COURSES (IN ADDITION TO GENERAL EDUCATION REQUIREMENTS AND CORE)

Banking and Finance 331	3 hrs.	Banking and Finance 431	3 hrs.
Banking and Finance 332	3 hrs.	Banking and Finance 432	3 hrs.
Banking and Finance 430	3 hrs.	Banking and Finance 334	3 hrs.

Description of Courses in Major Area

- BANKING AND FINANCE 231 Personal and Family Finance** **Three credit hours**

An analysis of financial decisions and judgments which the average family must make during a lifetime. Prerequisite: Math 131-137. (Same as Sociology 130)
- BANKING AND FINANCE 330 Business Finance** **Three credit hours**

An introduction to objectives, environment, tools, and decisions of financial management. Emphasis upon the firm’s investment, financing and dividend decisions. Prerequisite: Accounting 235 and 236 and Economics 231-232. Required of all Business Administration majors.
- BANKING AND FINANCE 331 Money and Banking** **Three credit hours**

An examination of money, the U.S. financial system, central banking, monetary theory, stabilization policies, inflation, and international financial considerations. Prerequisite: Accounting 235-236, Economics 231-232.
- BANKING AND FINANCE 332 Management of Commercial Banks** **Three credit hours**

An analysis of the theory, issues, and practice of commercial banking from a financial management perspective. Includes the use of bank computer simulation. Prerequisite: Banking and Finance 330 and 331.
- BANKING AND FINANCE 333 Credit Analysis** **Three credit hours**

The study of the different classes of credit, credit instruments, and the analysis of credit risk. The latter topic will include techniques for evaluating a business, an industry, management, financial statements, and cash flow. Prerequisite: Banking and Finance 330. Offered in alternate years.

BANKING AND FINANCE 334 International Finance Three credit hours

An introduction to the special financial problems encountered by a business concern or commercial bank operating in the international environment. Emphasis is given to cross-border transactions and risks, international financial markets and institutions, and the financing of foreign trade and operations. Prerequisites: Banking and Finance 330 and 331. Offered in alternate years.

BANKING AND FINANCE 430 Problems in Finance Three credit hours

A case study approach to the investigation of major financial management decisions and decision-making techniques. Utilization of computers in the financial analysis process. Prerequisite: Banking and Finance 330.

BANKING AND FINANCE 431 Investments Three credit hours

An investigation of the investment environment and the concepts and practice of security analysis and portfolio management. Includes the use of computer simulation. Prerequisite: Banking and Finance 330.

BANKING AND FINANCE 432 Financial Institutions and Markets Three credit hours

An introduction to money and capital markets, financial intermediation, and bank and non-bank financial institutions as they relate to the supply and demand of loanable funds. Prerequisite: Banking and Finance 330.

BANKING AND FINANCE 433 Financial Research and Analysis Three credit hours

A seminar approach to the examination of the following topics from the perspective of finance: problem formulation, literature review, research and analytical design, data collection, and analysis of data. Culminates with the completion of an investigative paper. Prerequisite: Banking and Finance 330-331.

BANKING AND FINANCE 461 A-B Cooperative Education Experience I Six credit hours each

Full-time cooperative education experience related to Banking and Finance. Student is engaged in co-op during alternating semesters of a four-semester cycle. Minimum of forty hours per week of paid, on-the-job experience designed to bridge the gap between the academic world and the business world. Student must have a minimum overall grade point average of 2.5. Prerequisite: Six hours of Business Administration courses.

BANKING AND FINANCE 490 Internship Three credit hours

Internship related to Banking and Finance. Minimum of 8 hours per week of on-the-job experience designed to bridge the gap between the academic and the business world. Student must have a minimum overall grade point average of 2.0. Prerequisite: Six hours of Business Administration courses. Only one period of internship is permitted.

BANKING AND FINANCE 491 A-B Cooperative Education Experience II Three credit hours each

Part-time cooperative education experience related to Banking and Finance. Consists of parallel periods of study and employment. Two consecutive semesters. Minimum of twenty hours per week of paid, on-the-job experience. Otherwise, similar to Banking and Finance 461 A-B.

CURRICULUM FOR THE MAJOR AREA

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
Mathematics 131	3	Mathematics 137	3
Speech 131	3	Music 131	3
History 131	3	History 132	3
Political Science 131	3	Sociology 131	3
Orientation 120	2	Physical Ed. (Activity)	<u>1</u>
Physical Ed. (Activity)	<u>1</u>		16
	18		

Sophomore Year

English 231	3	English 232	3
French or Spanish 131	3	French or Spanish 132	3
Art 231	3	Religion 130 or Phil. 131	3
Physical Education 121	2	Computer Science 131	3
Accounting 235	3	Accounting 236	3
Economics 231	<u>3</u>	Economics 232	<u>3</u>
	17		18

Junior Year

Banking and Finance 334	3	Management 333	3
Economics 233	3	Economics 234	3
Biology 140	4	Physical Science 141	4
Banking and Finance 330	3	Banking and Finance 332	3
Banking and Finance 331	<u>3</u>	Elective (Controlled by Dept.)	<u>3</u>
	16		16

Senior Year

Marketing 331	3	Management 435	3
Management 335	3	Banking and Finance 432	3
Banking and Finance 430	3	Electives	<u>6</u>
Banking and Finance 431	<u>3</u>		12
	12		

MANAGEMENT (MG)

A Bachelor of Science in Business Administration with a concentration in Management requires the completion of a minimum of 125 hours. This includes 62 hours of general education requirements, 36 hours of the Business Administration core, 9 hours of Management (in addition to the core), and the specified number of electives. The concentration in Management also requires the completion of 12 to 16 hours in one of the following technical minors: Computer Science, Accounting, Natural Science or Banking and Finance.

Computer Science Option (1) 12 hours including the 3 required in the core.	Accounting Option (2) 12 hours including Accounting 335 and 337 in addition to the 6 required in the cored.
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Natural Science Option (3)
16 hours including the 8 hours required in the general education program. Twelve of the 16 hours must be in the same science discipline.

Banking and Finance Option (4)
12 hours to include Banking and Finance 331 and two other Banking and Finance courses in addition to the 3 hours required in the core.

REQUIRED COURSES (IN ADDITION TO GENERAL EDUCATIONAL REQUIREMENTS, THE CORE, AND THE TECHNICAL MINOR OPTION)

Management 334
Management 432

Management 436

Description of Courses in Major Area

- MANAGEMENT 331 Principles of Insurance**

Three credit hours

A study of the economic and social services, as well as the techniques and underlying principles of insurance. Prerequisite: Math 131-137.
- MANAGEMENT 333 Principles of Management**

Three credit hours

A study of the principles and techniques underlying the successful organization and management of business activities. Discussion of planning, staff, directing, and controlling industrial enterprise. Prerequisite: Math 131-137.
- MANAGEMENT 334 Personnel Management**

Three credit hours

A study of the basic principles of management, employment procedures, testing, training, remuneration plans, handling of grievances, promotion, and transfer of personnel records. Prerequisite: Management 333.
- MANAGEMENT 335-336 Legal Environment of the Firm (I and II)**

Six credit hours

A course dealing with the elements of business law. Prerequisite: English 191-192.
- MANAGEMENT 339 Small Business Management**

Three credit hours

Stresses the importance of small business management, methods, sources, and procedures. Prerequisites: Math 131-137.
- MANAGEMENT 432 Production Control**

Three credit hours

Development of ability to analyze and to solve production problems and to formulate production policies. Introduction to quantitative techniques in production management. Prerequisite: Management 333.
- MANAGEMENT 435 Business Policy**

Three credit hours

The administrative process under conditions of uncertainty. Emphasis in integrating knowledge acquired in the functional areas of business administration in formulating management policies. Prerequisite: Senior standing and a concentration in one of the Business Administration disciplines.
- MANAGEMENT 436 Organizational Behavior and Design**

Three credit hours

An analysis of individual and group behavior and organizational structure from the perspective of goal-oriented managers. Prerequisite: Management 333.

Sophomore Year

English 231	3	English 232	3
French or Spanish 131	3	French or Spanish 132	3
Art 231	3	Religion 130 or Phil 131	3
Physical Education 121	2	Computer Science 131	3
Accounting 235	3	Accounting 236	3
Economics 231	<u>3</u>	Economics 232	<u>3</u>
	17		18

Junior Year

Economics 233	3	Economics 234	3
Management 335	3	Management 334	3
Management 333	3	Banking and Finance 330	3
Biology 140	4	Physical Science 141	4
Elective (Controlled by Department)	<u>3</u>	Elective or Technical Minor	3(<u>4</u>)
	16		16 (17)

Senior Year

Management 432	3	Management 435	3
Marketing 331	3	Management 436	3
Elective	3	Elective or Technical Minor	3
Technical Minor	3 (<u>4</u>)	Elective	<u>3</u>
	12 (13)		12

MARKETING (MKT)

A Bachelor of Science in Business Administration with a concentration in Marketing requires the completion of 125 hours. This includes 62 hours of general education requirements, 36 hours of the Business Administration core, 12 hours of marketing courses (in addition to the core), the specified number of electives, and 12 hours (including core courses) in one of the following technical minors: Computer Science, Accounting, or Banking and Finance (see technical minor options 1, 2, and 4 for Management majors).

REQUIRED COURSES (IN ADDITION TO GENERAL EDUCATION REQUIREMENTS, THE CORE, AND THE TECHNICAL MINOR OPTION)

Marketing 332	Marketing 335
Marketing 334	Marketing 431

Description of Courses in Major Area

MARKETING 331 Principles of Marketing **Three credit hours**
A course designed to show the characteristics, history, and functions related to marketing. Emphasis on product definition, promotion, distribution, and pricing. Prerequisite: Math 131-132.

MARKETING 332 Advertising **Three credit hours**
A course intended to provide an understanding of advertising, its functions in our way of life, and its role in business. Prerequisite: Marketing 331.

- MARKETING 334 Principles of Retailing** **Three credit hours**
 An introduction to the structure of retailing and problems associated with the management of retail stores of various types. Prerequisite: Marketing 331.
- MARKETING 335 Fundamentals of Selling** **Three credit hours**
 A course designed to provide the student with a general survey of the various careers in selling and a thorough study of salesmanship and sales management. Prerequisite: Marketing 331.
- MARKETING 431 Marketing Research** **Three credit hours**
 The nature of marketing problems, problem definition, formulation of hypotheses, theories of measurement, experimental design, and survey techniques applied to marketing problems. Prerequisite: Marketing 334.
- MARKETING 432 Managerial Marketing** **Three credit hours**
 An analysis of the nature and work of the marketing manager, who organizes, directs, and controls the various functional specialties of marketing. Prerequisite: Marketing 334.
- MARKETING 435 International Marketing** **Three credit hours**
 A course designed to introduce students to the cultural, institutional, political, and economic variables influencing the international marketing environment, the concept of international trade, and a framework for the development and implementation of a multinational marketing strategy. Prerequisite: Marketing 331.
- MARKETING 461 A-B Cooperative Education Experience I** **Six credit hours each**
 Full-time cooperative education experience related to Marketing. Student is engaged in co-op during alternating semesters of a four-semester cycle. Minimum of forty hours per week of paid, on-the-job experience designed to bridge the gap between the academic world and the business world. Student must have a minimum overall grade point average of 2.5. Prerequisite: Six hours of Business Administration courses.
- MARKETING 490 Internship** **Three credit hours**
 Internship related to Marketing. Minimum of 8 hours per week of on-the-job experience designed to bridge the gap between the academic world and the business world. Students must have an overall grade point average of 2.0. Prerequisite: Six hours of Business Administration courses. Only one period of internship is permitted.
- MARKETING 491 A-B Cooperative Education Experience II** **Three credit hours**
 Part-time cooperative education experience related to Marketing. Consists of parallel periods of study and employment. Two consecutive semesters. Minimum of twenty hours per week of paid, on-the-job experience. Otherwise, similar to Marketing 461 A-B.

CURRICULUM FOR THE MAJOR AREA

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
Mathematics 131	3	Mathematics 132	3
Speech 131	3	Music 131	3
History 131	3	History 132	3
Political Science 131	3	Sociology 131	3
Orientation 120	2	Physical Education (Activity)	<u>1</u>
Physical Education (Activity)	<u>1</u>		16
	18		

Sophomore Year

English 231	3	English 232	3
French or Spanish 131	3	French or Spanish 132	3
Art 231	3	Religion 130 or Phil 131	3
Physical Education 121	2	Computer Science 131	3
Accounting 235	3	Accounting 236	3
Economics 231	<u>3</u>	Economics 232	<u>3</u>
	17		18

Junior Year

Economics 233	3	Economics 234	3
Management 335	3	Management 333	3
Marketing 331	3	Marketing 332	3
Biology 140	4	Physical Science 141	4
Elective (Controlled by Department)	<u>3</u>	Technical Minor	<u>3</u>
	16		16

Senior Year

Marketing 334	3	Marketing 431	3
Marketing 335	3	Management 435	3
Banking and Finance 330	3	Technical Minor or Elective	3
Technical Minor	<u>3</u>	Elective	<u>3</u>
	12		12

DEPARTMENT OF HISTORY, POLITICAL SCIENCE AND URBAN STUDIES/COMMUNITY AFFAIRS

HISTORY

A major in history prepares a student for a career in government, business, journalism, law, or for graduate study.

For a major in history, the student is required to complete thirty credit hours of course work in history. For a minor the student is required to complete eighteen hours of course work in history. History

131, 132, 135, and 136 are required for all majors and minors. History 235 is required of all majors and is recommended for minors. Introductory courses in economics, political science, sociology, and urban studies must also be completed for the history major. Students may satisfy the language requirement by taking either six credit hours of French or six credit hours of Spanish. A minimum grade of C must be earned in courses that count toward the major.

HISTORY 131 World Civilization I **Three credit hours**

A study of the world's major civilizations from the Stone Age to 1500, the strengths and weaknesses of those societies, parallel developments, and cultural interaction.

HISTORY 132 World Civilization II **Three credit hours**

Primarily a study of the development of western European civilization since 1500 and its impact on the rest of the world.

HISTORY 135 History of the United States to 1865 **Three credit hours**

A study of the United States from its European background to 1865.

HISTORY 136 History of the United States Since 1865 **Three credit hours**

A study of the United States from the conclusion of the Civil War to the present.

HISTORY 231 North Carolina History **Three credit hours***

A study of the history of North Carolina from the colonial period to the present, with emphasis on economic, educational, and political developments.

*elective for history major; required for those desiring to be certified in history or social studies education.

HISTORY 235 Historiography **Three credit hours**

An introduction to the methods of historical research, the more prominent philosophies of history, and an investigation of the work of outstanding historians. Prerequisite: six hours of history. Required of all history and social science majors. Should be taken FALL SEMESTER of sophomore year.

HISTORY 237 Introduction to Africa **Three credit hours**

Social life, peoples, geography, economy, politics, religion, and arts of pre-modern Africa. Survey of African history and problems facing modern Africa. Offered in alternate years.

HISTORY 330 American Colonial Civilization **Three credit hours**

The study of an "underdeveloped area" and the economic, political, and religious life of the different colonies; the contributions of the various immigrants. Prerequisites: History 135 and 136. Offered in alternate years.

HISTORY 331 Diplomatic History of the United States: 1776-1877 **Three credit hours**

A study of the foreign policy of the United States government. Emphasis upon wars, territorial expansion, and peculiarities of the American position in world politics. Prerequisite: History 135. Offered in alternate years. Recommended for political science majors and prelaw students.

HISTORY 332 Diplomatic History of the United States: The Twentieth Century**Three credit hours**

Emphasis on the most important crises and the formulation of the basic policy decisions from the Spanish-American War to the present. Prerequisite: History 136. Offered in alternate years. Recommended for political science majors and prelaw students.

HISTORY 334 The American Revolution and the Federal Period: 1776-1820 **Three credit hours**

The United States during the formative years of the early republic from the War of Independence to the so-called "era of good feeling." Considerable attention devoted to the creative personalities of the period. Prerequisites: History 135 and 136. Offered in alternate years.

HISTORY 335 Sectionalism and Conflict: 1820-1865 **Three credit hours**

The American experience from the Missouri Compromise through the Civil War; Jacksonian democracy, territorial expansion, black slavery, and the rise of Southern nationalism. Prerequisites: History 135 and 136. Offered in alternate years.

HISTORY 336 Emergence of Modern America: 1865-1900 **Three credit hours**

A study of the revolutionary changes in American life from the end of the Civil War to the close of the nineteenth century, the failure of Reconstruction, the origins of racial segregation, America's emergence as an industrial giant. Prerequisites: History 135 and 136. Offered in alternate years.

HISTORY 337 West Africa **Three credit hours**

An examination of selected topics in West African history, including the Sudanic empires, the slave trade, the development of coastal states, European conquest and types of colonial rule, the struggle for independence, and challenges of development. Offered in alternate years.

HISTORY 338 Black History in the United States **Three credit hours**

A study of the contributions of blacks to American history and civilization, their efforts at racial adjustment, and their struggle for social justice. Prerequisites: History 135 and 136.

HISTORY 339 Early Modern Europe: 1350-1789 **Three credit hours**

A study of radical social change in Europe from the late Middle Ages to the eve of the French Revolution. Renaissance and Reformation; political absolutism and the Enlightenment. Prerequisites: History 131 and 132. Offered in alternate years.

HISTORY 430 Revolution and Romanticism: 1789-1914 **Three credit hours**

A study of Europe from the French Revolution to the outbreak of World War I. The rise of romantic nationalism, liberal democracy, industrialism, and imperialism. Prerequisites: History 131 and 132. Offered in alternate years.

HISTORY 431 Twentieth Century Europe **Three credit hours**

A study of World War I and its consequences; economic, social, and cultural change between the wars; the rise of totalitarian dictatorships and World War II; post-war reconstruction, the Cold War, and the current situation in Europe. Prerequisite: History 132. Offered in alternate years.

- HISTORY 432**

Southern Africa

Three credit hours
- An examination of selected topics in Central and Southern Africa, including mi-grations, pre-European culture, European expansion, concessionaire company and settler domination, racism, African liberation movements, and the status of present conflicts. Offered in alternate years.
- HISTORY 433**

The Old South

Three credit hours
- Political, economic, social, and cultural forces in the evolution of the period 1820-1860. Prerequisite: History 135. Offered in alternate years.
- HISTORY 434**

The New South

Three credit hours
- Southern history from the end of Reconstruction to the present. A consideration of contemporary regional problems. A study of the South both in relationship and contrast to national development. Prerequisite: History 136. Offered in alter-nate years. Recommended for students concentrating in urban studies.
- HISTORY 435**

From the Pharaohs to National Revolutions

Three credit hours
- An examination of selected topics in the history of North, North-East, and East Africa, including the beginnings of the human race, ancient civilizations of Egypt and Kush, trading civilizations of the Mediterranean and the Indian Ocean, Chris-tian and Islamic influences, migrations, Ethiopian feudalism, European coloni-alism, and modern national revolutionary movements. Offered in alternate years.
- HISTORY 436-437**

Topics in History

Three credit hours each
- Various special topics which permit advanced work in different fields of historical study.

CURRICULUM FOR HISTORY MAJORS

Freshman Year			
Fall Semester		Spring Semester	
	Credit Hours		Credit Hours
English 191	3	English 192	3
French or Spanish 131	3	French or Spanish 132	3
Music 131	3	Speech 131	3
Math 131	3	Math 132	3
History 131	3	History 132	<u>3</u>
Orientation 120	<u>2</u>		15
	17		
Sophomore Year			
English 231	3	English 232	3
Biology 140	4	Physical Science 141	4
Philosophy 131 or Religion 130	3	Political Science 131	3
Physical Education (Activity)	1	Physical Education (Activity)	1
History 135	3	History 136	3
History 235	<u>3</u>	Sociology 131	<u>3</u>
	17		17

Junior Year

Art 231	3	History Elective	3
History Elective	3	History Elective	3
Economics 231	3	General Electives	6
Physical Education 121	2	Urban Studies 230	<u>3</u>
General Electives	<u>6</u>		15
	17		

Senior Year

History Elective	3	History Elective	3
General Electives	<u>12</u>	General Electives	<u>12</u>
	15		15

POLITICAL SCIENCE

The curriculum in political science is designed to prepare students for civic participation, graduate or professional study, private or public employment, and teaching. For a major in political science, the student is required to complete thirty-three (33) credit hours of course work in political science. For a minor the student is required to complete eighteen (18) credit hours of course work in political science. Political Science 131 and 230 are required of all majors and minors and are prerequisite to electing other courses in the political science curriculum; these prerequisites may be waived with the consent of the instructor. Political science majors are also required to take the following Political Science courses: 333; 334; 330 or 432; 337 or 338 or 339; and 431. These courses are recommended for minors. A minimum grade of C must be earned in courses that count toward the major.

Introductory courses in economics, history, sociology, urban studies, and a statistics course (either Math 136 or Social Science 233) are also required for all political science majors.

An introductory course in computer science, although not required, is highly recommended for students planning to do graduate work in political science. Students may satisfy the language requirement by taking six credit hours of French or six credit hours of Spanish.

- POL. SCI. 131

American Government

Three credit hours

A study of the development, structure, and operation of the American political system.
- POL. SCI. 230

Introduction to Political Analysis

Three credit hours

An introductory study and application of the concepts and methods necessary for an analysis of the political system.
- POL. SCI. 231

State and Local Politics

Three credit hours

A study of politics and administration at the sub-national level. Emphasis on the social, economic, and legal setting of state and local governments in the American federal system. Topics include intergovernmental relations, fiscal problems, and services delivery.

- POL. SCI. 330 Public Administration** **Three credit hours**
A study of the formulation of public policy, organization and management, and problems of personnel and finance. Offered in alternate years.
- POL. SCI. 331 Law and Politics** **Three credit hours**
This course is an introduction to the American legal system, focusing on its political context and significance. It sketches the structure and functioning of the federal court system, and then explores the courts' impact both on individuals who seek to vindicate their rights through litigation, and on those who become involved with the criminal justice system. Special attention is devoted to the history and role of the legal profession in America.
- POL. SCI. 332 Third World Politics** **Three credit hours**
A study of the politics and problems of selected countries in Africa, Asia, and Latin America. Topics include social and economic development strategies of poor countries; South-South cooperation; North-South relations.
- POL. SCI. 333 Comparative Political Systems** **Three credit hours**
A comparative analysis of various political systems in the developed and developing countries. Emphasis on the parliamentary system (as modified) and the American Presidential system. Offered in alternate years.
- POL. SCI. 334 International Relations** **Three credit hours**
An analysis of the international political system, including the distribution of power among states in the international system, the manner in which states try to increase their capabilities, and the various mechanisms for conflict adjustment.
- POL. SCI. 337 Classical Political Theory** **Three credit hours**
A study of political thought from Greece to the seventeenth century, including basic writings from Plato to Hobbes.
- POL. SCI. 338 Modern Political Theory** **Three credit hours**
A study of political thought from the seventeenth century to the present, including writings from Locke to the Declaration of Human Rights proposed as the foundation of the United Nations.
- POL. SCI. 339 Black Political Thought** **Three credit hours**
A study of the development of black political thought in the U.S. The course is designed to examine and evaluate various themes, perspectives, and approaches in black political thinking and behavior as they emerged in the writings and activities of leading black figures and movements from the 19th century to present.
- POL. SCI. 431 Materials and Methods** **Three credit hours**
The study and application of basic research materials and methods in political science. Emphasis on formulation of the problem, research design, data collection, analysis, and interpretation of the data.
- POL. SCI. 432 Seminar in American Politics** **Three credit hours**
In-depth study of selected institutions and processes of American politics, such as Congress, the presidency, political parties and the electoral process.
- POL. SCI. 433 International Organization** **Three credit hours**
A study of the nature and role of international law and the operations of the United Nations and various regional and functional organizations. Prerequisite: Political Science 334.

- POL. SCI. 434

Constitutional Law I

Three credit hours

This course surveys the historical development of American constitutionalism from its beginnings until 1900. Emphasized are the framing of the Constitution and different approaches to its meaning; the origins and rationale of judicial review; evolving doctrines of judicial self-limitation; and early cases on race relations. Prerequisite: Junior standing or instructor's consent.
- POL. SCI. 435

Constitutional Law II

Three credit hours

This course surveys modern Supreme Court cases in four subject areas: racial discrimination; gender discrimination; freedom of speech; and presidential powers. Selected students will participate in a moot court exercise. Prerequisite: Constitutional Law I or instructor's consent.
- POL. SCI. 436

Bureaucracy

Three credit hours

A critical examination of the problems, structures and practices in large modern organizations with particular emphasis on the American bureaucracy using empirical case studies of both public and private organizations. Offered in alternate years.
- POL. SCI. 437

Foreign Policy

Three credit hours

A study of the foreign policy behavior of nation states, with a critical investigation into the formulation and implementation of foreign policy. Special emphasis on American foreign policy. Prerequisite: Pol. Sci. 334.
- POL. SCI. 439

Internship

Three credit hours

A supervised internship in a professional work environment designed to give students practical experience as well as knowledge and skills in a relevant professional field. Students are expected to complete a paper on their work activities and experience as one of the requirements for credit. Enrollment by permission of the instructor.
- POL. SCI. 491

Special Topics in Political Science

Three credit hours

Advanced reading, papers, and discussions on selected topics in political science. Topics are determined by the instructor. Enrollment by permission of the instructor (may be repeated for credit).

CURRICULUM FOR POLITICAL SCIENCE MAJORS

Freshman Year			
Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
French or Spanish 131	3	French or Spanish 132	3
Music 131	3	Speech 131	3
Math 131	3	Math 132	3
History 131	3	History 132	<u>3</u>
Operation 120	<u>2</u>		15
	17		

Sophomore Year

English 231	3	English 232	3
Biology 140	4	Physical Science 141	4
Philosophy 131 or Religion 130	3	Art 231	3
Political Science 131	3	Political Science 230	3
Physical Education (Activity)	1	Physical Education (Activity)	1
Math 136 or Social Science 233	<u>3</u>	Sociology 131 or 133	<u>3</u>
	17		17

Junior Year

Political Science 337 or 338 or 339	3	Political Science 333	3
Political Science 334	3	Political Science 330 or 432	3
Economics 231	3	Political Science Elective	3
Health 121	2	Urban Studies 230	3
General Elective	<u>3</u>	General Elective	<u>3</u>
	14		15

Senior Year

Political Science 431	3	Political Science Elective	3
Political Science Elective	3	Political Science Elective	3
General Electives	<u>9</u>	General Electives	<u>9</u>
	15		15

PRE-LAW

No particular course of study (major) is a prerequisite for admission to law school. All lawyers need to be effective users of the English language. But what the pre-law student needs is a solid foundation in English and speech; he need not major in either of these disciplines unless he wishes to do so. Laws schools are seeking young men and women with analytical minds who can think clearly and logically and then express themselves both orally and in writing.

While a majority of students going into law usually major in one of the social sciences (economics, history, political science, or sociology), other majors, such as English, psychology, or philosophy, provide a good background for legal study. Students majoring in one of the natural sciences could use law as one of their options for professional preparation.

The Association of American Law Schools advises the pre-law student to “major in the field in which he is most interested and do as well as he can in all his subjects.”

Regardless of the major, the pre-law student should take the following courses: English 234, Philosophy 233, Accounting 235, Computer Science 131-132, Political Science 336, and Speech 232 or 330. Other recommended courses are: History 135-136, History 237, History 339, Political Science 335, Sociology 232, and Sociology 330.

URBAN STUDIES/COMMUNITY AFFAIRS

A major in urban studies prepares individuals for entry level research, planning, and social service positions in public and private agencies, or for graduate programs in urban studies, urban planning, or public administration. The program's goal is to provide students, through classroom coursework, with conceptual and analytical skills and, through internships and independent research, with practical job-related skills.

A major in urban studies consists of 33 credits. The following courses are required of all majors; Urban Studies 131, 232, 333, 334, 438, 460, and Social Science 233. A major must also take three of the following electives: Urban Studies 234, 235, 437, Political Science 231, Sociology 332, Social Work 330, and Economics 332. A minimum grade of C is required for each course that counts toward the major. Introductory courses in history, political science, economics, and sociology must also be completed for the urban studies major. A minor consists of 18 hours of the following courses: 131, 232, 333, 334, 460.

URB 131 Introduction to the City **Three credit hours**

The significance of the city as the center of human, economic and sociocultural activities. The historical development of the city. Theories and models of the internal structure of the city. The American city in perspective: its history, growth, problems and future.

URB 232 Introduction to Urban Planning **Three credit hours**

Perspectives on the function of planning. The evolution of contemporary planning concepts and principles. The nature, purpose, scope and process of urban planning in a democratic society. Methodological aspects of designing a planning program: identification of objects and constraints, conduct of basic surveys and analysis, the preparation, evaluation and implementation of plans and policies.

URB 234 Regional Geography of the United States **Three credit hours**

Introduction to the concept of the 'region'. Regional systems in the U.S.: political, natural (climatic and ecological), industrial, agricultural and population. Regional interdependence in the U.S. Central places, urban-rural dependence, and migration patterns in the U.S.

URB 235 Urban Governmental Structures **Three credit hours**

The evolution and development of urban governments in America. Urban governmental structures in America: types, characteristics, strengths and weaknesses. The relationship of urban governments to the state and federal governments. Urban power structure and politics. Urban expenditures and revenue sources. Urban governments and urban problems: some case studies.

URB 333 Physical Planning **Three credit hours**

The history of physical planning in America. Zoning and urban land use. Urban land development: planning issues related to the economics and financing of public and private development projects such as residential subdivisions, satellite towns, shopping complexes, recreational facilities, and transportation. Techniques of project evaluation. Prerequisites: Urban Studies 131 and 232 and Social Science 233.

- URB 334

Urban Social Planning

Three credit hours

The history of social planning in America. Social planning as a process of addressing urban social problems (housing, poverty, inequality, etc.). Social planning processes: some examples from American cities. The relationship between social and political planning. Prerequisites: Urban Studies 131 and 232 and Social Science 233.
- URB 437

Senior Project

Three credit hours

This course is intended to expose students to the task of conducting research. Students will be under the supervision of a faculty member probing specific urban problems or issues and using scientific research methods. Students will be expected to compile the results of their research in the form of a major paper.
- URB 438

Urban Senior Seminar

Three credit hours

Current and changing issues in urban planning and administration: social philosophies, notion of ethics, morality, authority, equity, professional responsibility, administrative tools and strategies, etc. This will be a forum for students to share their views, through formal presentations, with their colleagues, faculty and special guests from the community. Prerequisites: Urban Studies 333 and 334 and 2 electives in major.
- URB 460

Urban Studies Internship

Six credit hours

Students are expected to acquire firsthand knowledge of the working of urban governmental and/or nongovernmental agencies through some practical working experience with such agencies. Students will be required to submit papers/reports on the relationship between their theoretical and experiential forms of knowledge. Prerequisites: Urban Studies 333 and 334 and 1 elective in major.

CURRICULUM FOR URBAN STUDIES/
COMMUNITY AFFAIRS MAJORS

Freshman Year			
Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
French or Spanish 131	3	French or Spanish 132	3
Speech 131	3	Music 131	3
Math 131	3	Math 132	3
History 131	3	History 131	3
Orientation 120	2	Health 121	2
	17		17
Sophomore Year			
English 231	3	English 232	3
Political Science 131	3	Sociology 131	3
Philosophy 131 or Religion 130	3	Physical Science 141	4
Art 231	3	Physical Education (Activity)	1
Physical Education (Activity)	1	Social Science 233	3
Urban Studies 131	3	Urban Studies 232	3
	16		17

- SOCIOLOGY 133 Introduction to Cultural Anthropology** **Three credit hours**
A survey of the various processes and conditions involved in cultural growth and change.
- SOCIOLOGY 230 Intergroup Relations** **Three credit hours**
An analysis of viewpoints, processes, and basic factors underlying problems of adjustment between divergent racial or cultural groups.
- SOCIOLOGY 231 Medical Sociology** **Three credit hours - elective**
This course will provide a sociological analysis of (1) the social processes affecting conditions of health and disease and (2) the cluster of social relationships and organizations that comprise the institution of medicine.
- SOCIOLOGY 232 Introduction to Criminal Justice As an elective** **Three credit hours**
This course is designed to introduce the student to the criminal justice system in America. It will provide a comprehensive survey of current theories and practices in the criminal justice process. Included in the course will be a study of the principal functions and roles of four major components—legislative bodies, law enforcement agencies, courts and correctional institutions. It will highlight contemporary issues in each phase of the process.
- SOCIOLOGY 233 Statistics for the Social and Behavioral Sciences** **Three Credit hours**
The application of descriptive and inferential statistics to data in the social and behavioral sciences. Emphasis on data classification, data reduction, the normal distribution, z scores, probability, hypothesis testing, z test, t test, statistical power. Prerequisite: Mathematics 136 or its equivalent. (Colisted as Psychology 233, Social Science 233.) Previous title Sociological Statistics. FALL SEMESTER
- SOCIOLOGY 234 Introduction to Gerontology** **Three credit hours - elective**
The survey of biological, psychological and sociological perspectives and research relevant to the study of human aging.
- *SOCIOLOGY 235 Correctional System I** **Three credit hours - elective**
Introductory in nature, focuses on the basic elements, historical development and trends within the prison system.
- *SOCIOLOGY 236 Correctional System II** **Three credit hours - elective**
Analysis of contemporary prison system including changes in the field of corrections, community based rehabilitation programs and alternatives to incarceration.
- *SOCIOLOGY 237 Juvenile Delinquency** **Three credit hours**
An analysis of the antisocial behavior of youth. Emphasis on causes, consequences, and efforts at prevention.
- *SOCIOLOGY 238 Social Problems** **Three credit hours**
A sociological treatment of contemporary social problems. Offered alternate years. FALL SEMESTER.
- *SOCIOLOGY 330 Sociology of Law** **Three credit hours**
The purpose of this course will be to analyze the role of law as an agency of social control, and its relationship to other social institutions. Special emphasis will be placed on the social junctions of courts, judges, and the legal profession. Law will be viewed as a reflection of sociocultural values.

- SOCIOLOGY 331 The Family** **Three credit hours**
An examination of the structures and functioning of the family as a social institution.
- SOCIOLOGY 332 Urban Sociology** **Three credit hours**
A study of the growth, the ecology, the social processes, the organization, and the problems of the urban community.
- SOCIOLOGY 333 Social Stratification** **Three credit hours - elective**
An examination of the ways in which societies differ in terms of their systems of internal differentiation.
- SOCIOLOGY 335 The Sociology of Religion** **Three credit hours**
A functional analysis of the interrelationships involving society, culture, and religion. The role of the church in the social order and social change. (Same as Religion 335.) SPRING SEMESTER.
(Formerly Collective Behavior)
- (*Denotes Criminal Justice Sequence)
- SOCIOLOGY 337 Sociology of the Black Community** **Three credit hours**
An analysis of the structure and the functioning of the black community as a social system. Offered in alternate years. SPRING SEMESTER.
- *SOCIOLOGY 338 Deviant Behavior** **Three credit hours**
Emphasis on individual behavior patterns in society. Examination of the social and psychological principles underlying sociopathic behavior.
- *SOCIOLOGY 339 Criminology** **Three credit hours**
An examination of crime as a social phenomenon and the methods of prevention and control. Offered in alternate years.
- SOCIOLOGY 431 Social Psychology** **Three credit hours**
Problems, concepts, and methods in the study of social interaction and interpersonal influence. (Same as Psychology 431.)
- SOCIOLOGY 432 Social Research I** **Three credit hours**
An introduction to the techniques, and methods of scientific inquiry (part I). Prerequisite: nine credit hours of sociology or consent of instructor.
- SOCIOLOGY 433 Social Research II** **Three credit hours**
An intensive study of research procedures, with special emphasis on data processing, measurement, and quantitative analysis. Prerequisite: Sociology 432
- SOCIOLOGY 434 The Developments of Social Theory** **Three credit hours**
An analysis of the emergence and development of sociological theory. Prerequisite: nine credit hours of sociology or consent of instructor.
- SOCIOLOGY 435 Modern Theory and Theory Construction** **Three credit hours**
An analysis of contemporary theoretical perspectives. An introduction to theory construction.
- SOCIOLOGY 436 Independent Study** **Three credit hours**
An arranged program of independent study and research.

SOCIOLOGY 490 Social Science Seminar

Three credit hours

A course conducted by selected members of the division faculty. Designed to help the student to achieve a synthesis of social science knowledge. Open to juniors and seniors. Non-majors: by permission of the instructional staff. Permits major students to receive credit in their area of concentration. (See Social Science 490.)

(*Denotes Criminal Justice Sequence)

CURRICULUM FOR SOCIOLOGY MAJORS

Freshman Year			
Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
Math 131	3	Math 132	3
Speech 131	3	Music 131	3
French or Spanish 131	3	French or Spanish 132	3
Physical Education 121	2	Sociology 131	3
Orientation 120	<u>2</u>	Physical Education (Activity)	<u>1</u>
	16		16
Sophomore Year			
English 231	3	English 232 or 235	3
French or Spanish 231	3	French or Spanish 232	3
Biology 140	4	Art 231	3
History 131	3	History 132	3
Math 136	3	Physical Science 141	<u>4</u>
Physical Education (Activity)	<u>1</u>		16
	17		
Junior Year			
Sociology 432	3	Sociology 433	3
Economics 131	3	Political Science 131	3
Rel. 130 or Phil. 131	3	Sociology —	3
Sociology —	3	Sociology —	3
Elective	<u>3</u>	Elective	<u>3</u>
	15		15
Senior Year			
Sociology —	3	Sociology —	3
Sociology —	3	Sociology —	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	<u>3</u>	Elective	<u>3</u>
	15		15

NOTE: All Sociology Majors are required to take the basic course in each of the following areas: economics, political science, sociology, urban studies and *two in history*.

SOCIAL WORK

All students electing to major or minor in social work must take Sociology 131 before enrolling in the required entry level course—Social Work 239.

A major in social work consists of thirty credit hours of course work. Required are Social Work 239, 334, 335, 432, 433, 434, 435, and 460. Also required are Mathematics 136 (Statistics) or its equivalent and Sociology 438 (Social Research). Before graduation, all majors must also complete entry level courses in economics, political science, urban studies, and two history courses. Upon the completion of all departmental and University requirements, the **Bachelor of Social Work (BSW) degree** is awarded. A minor in social work consists of eighteen credit hours in social work courses which are Social Work 239, 334, 335, 432, 434, and 435.

A minimum grade of C must be earned in courses that count toward the major.

SOCIAL WORK 239 Introduction to the Field of Social Work Three credit hours

A survey course which includes a history of social work and a comparison of all the methods in social work. SPRING SEMESTER.

SOCIAL WORK 330 Social Policy Three credit hours

A study of the history, current issues and programmatic choices and changes that effect social welfare services. FALL SEMESTER

SOCIAL WORK 331 Child Welfare: Policies and Practices Three credit hours

A course designed to offer social work students comprehensive up-to-date information on child and family welfare. FALL SEMESTER.

SOCIAL WORK 332 Social Planning Three credit hours

A course designed to clarify the major phases in the planning process in theory and practice. SPRING SEMESTER. (Prerequisite: Social Work 330.)

SOCIAL WORK 333 Social Workers in Clinical Settings Three credit hours - elective

A practical course, designed to introduce and develop in upper level class students an awareness and overview of the various social and psychotherapeutic services available to protect the general public.

SOCIAL WORK 334 Human Growth and Development in the Social Environment I Three credit hours

A course which examines human behavior in the social environment from a normal perspective. Special emphasis on man's bio-psycho-social needs and the behavioral consequences when these needs are not met. FALL SEMESTER. (Formerly Social Work 334A)

SOCIAL WORK 335 Human Growth and Development in the Social Environment II Three credit hours

This course continues the study of behavior in the life cycle at the point where the first component ended during the Fall Semester. It concludes with specific focus on the bio-psycho-social needs of the aged members of our population. SPRING SEMESTER (Prerequisite: Social Work 334) (Formerly Social Work 334B)

- SOCIAL WORK 432

Social Welfare as a Social Institution

Three credit hours
- An assessment of the philosophy, development, behavior, current trends, and dynamics of social welfare as a cognate institution in the social system. FALL SEMESTER.
- SOCIAL WORK 433

Seminar in Social Work

Three credit hours
- A course requiring students to interpret data from field experiences in light of previously established concepts of social work methods and practices. SPRING SEMESTER. (Must be taken concurrently with Social Work 460.)
- SOCIAL WORK 434

Social Work Methodologies

Three Credit hours
- This course involves students in the study of principles (ethics and values), relationships (professionalism), specifics in each of the direct and indirect social work methods, practice theories and interviewing skills. FALL SEMESTER (Prerequisites: Social Work 334 and 335) (Formerly Social Work 434A)
- SOCIAL WORK 435

Social Work Methodologies II

Three credit hours
- This course is a continuation of Social Work 434 with emphasis on an in-depth study of case materials (analysis and goal formulation), case recordings (summary, process, etc.), and social history recordings (gathering data). SPRING SEMESTER (Prerequisite: Social Work 434) (Formerly Social Work 434-B)
- SOCIAL WORK 460

Field Experience

Six credit hours
- A course designed to assist students in acquiring first-hand knowledge of social work practices in community agencies through active work experiences in pre-selected agency settings. SPRING SEMESTER (Prerequisites: Social Work 239, 334, 335, 432, 434. Must have had or be enrolled in 435. In addition, 433 is required to be taken concurrently with this course).

CURRICULUM FOR SOCIAL WORK MAJORS

Freshman Year			
Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
Math 131	3	Math 132	3
Speech 131	3	Music 131	3
French or Spanish 131	3	French or Spanish 132	3
Physical Education 121	2	Sociology 131	3
Orientation 120	<u>2</u>	Physical Education (Activity)	<u>1</u>
	16		16
Sophomore Year			
English 231	3	English 232 or 235	3
Rel. 130 or Phil. 131	3	Art 231	3
Biology 140	4	History 132	3
History 131	3	Physical Science 141	4
Social Work 239	3	Political Science 131	<u>3</u>
Physical Education (Activity)	<u>1</u>		16
	17		

Junior Year

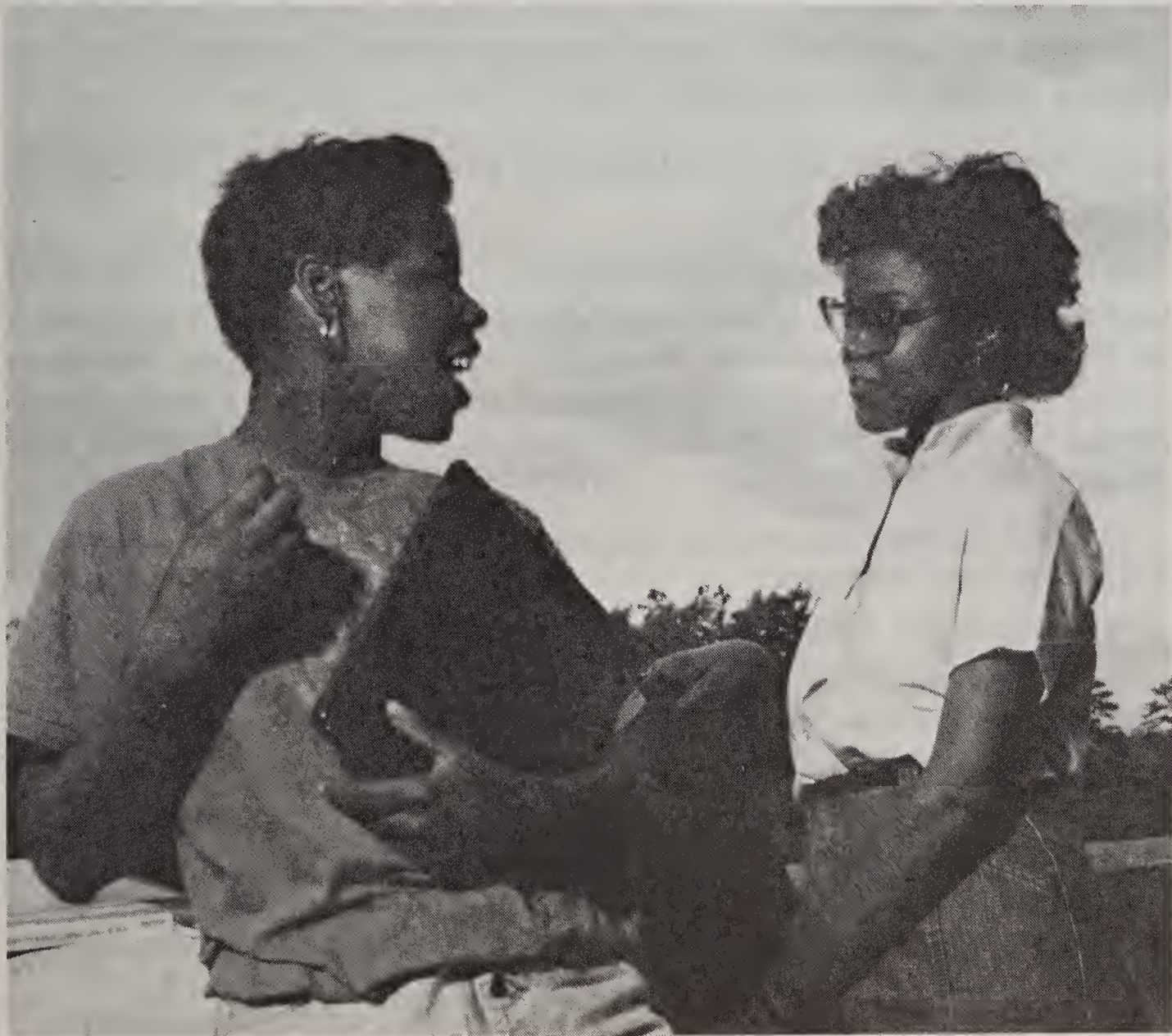
*Sociology (Delinquency, Criminal Justice or other)	3	**Math 136	3
*Sociology 432	3	*Sociology 331	3
Social Work 334	3	Sociology 332	3
Social Work 432	3	Sociology 439	3
Economics 131	<u>3</u>	Social Work 335	<u>3</u>
	15		15

Senior Year

*Social Work 330	3	*Social Work 332	3
*Social Work 331	3	Social Work 433	3
Social Work 434	3	Social Work 435	3
*Psychology 131	3	Social Work 460	<u>6</u>
Elective	<u>3</u>		15
	15		

NOTE: All Social Work Majors are required to take the basic course in each of the following areas: economics, political science, sociology and history.

*Highly recommended elective.
**Required for Social Work Majors.



DIVISION III: EDUCATION AND PSYCHOLOGY

The Division of Education and Psychology includes the following departments: Education, Health and Physical Education, and Psychology. Majors are offered in each department and minors in the departments of Health and Physical Education and Psychology.

DEPARTMENT OF EDUCATION

The Department of Education offers majors in early childhood and intermediate education leading to the Bachelor of Arts degree and teacher certification. The Bachelor of Arts degree with teacher certification at the secondary level may be earned in mathematics, music, physical education, health, and social studies. The department also provides courses in special education.

While teacher education at Johnson C. Smith University is viewed as an all-university wide function, the Department of Education assumes major responsibility for coordinating all programs. The Teacher Education Committee, composed of representatives from the various academic disciplines and the Vice President for Academic Affairs, serves in an advisory capacity. All Teacher Education Programs have appropriate approval of the North Carolina State Department of Public Instruction.

A minimum grade of C must be earned in each course that counts toward the major.

REQUIREMENTS FOR ADMISSION TO THE PROGRAM OF TEACHER EDUCATION

A formal application to enter the program of teacher education must be filed with the head of the Department of Education at the beginning of the second semester of the sophomore year. Transfer students entering the University with junior classification must make application during the first semester in residence. Application forms may be secured from the Education Office.

To be admitted to teacher education, the student must meet the following requirements:

1. Completed sixty (60) semester hours with a cumulative grade point average of at least 2.50
2. Earned at least a grade of "C" in each General Education Course in the areas of *English, Mathematics, Science, and History (social studies)*
3. Earned a satisfactory score on Core Batteries I and II of the NTE
4. Declared a major and be recommended by the department of the major
5. Completed an interview at the satisfactory level

6. Received a health statement indicating good physical and mental health
7. Recommended by three former professors, one of whom must be in the department of the applicant's major field
8. Approved by the Teacher Education Committee

Students who plan to teach in the elementary school, grades K-4 or 4-6, should major either in early childhood or in intermediate education. Teacher certification at the secondary school level is available in the following subject areas: mathematics, music, health education, physical education, and social studies. Students who plan to teach in the secondary school should select majors and minors from the above areas. It is highly recommended that students prepare to teach two subjects.

PROFESSIONAL REQUIREMENTS

Professional education courses at the upper level, three hundred (300) level courses and above, are specifically designed to assist prospective teachers in developing selected teaching competencies. These courses are therefore restricted to students who have been officially admitted to Teacher Education and are only available to other students on a limited basis, upon approval of the heads of the department of the major and the Education Department.

Early childhood and intermediate majors are required to take Psychology 235 and 239. Students at the secondary level and in special subject areas must take Psychology 237 and 239.

REQUIRED COURSES IN EDUCATION

Teacher certification at all levels requires the following education courses:

EDUCATION 230 Foundations of Education I-HC Three credit hours

A general overview of public education in the United States. It examines the historical background, purposes and concepts basic to understanding education in America. It also seeks to help students explore teacher education as a career option. (Formerly Education 232)

EDUCATION 231 Foundations of Education II-SP Three credit hours

An examination of the role of the school in society and societal forces that influence education. Includes the sociological and philosophical foundations of education. (Formerly Education 230)

Early Childhood Education: For Nursery School Teachers and Grades K-4

EDUCATION 232 Introduction to Early Childhood Education Three credit hours

This introductory course is designed to provide an overview of the field of Early Childhood Education. Emphasis will be given to the following areas:

1. Child Growth and Development—A study of varied theories of learning and development with direct implications for understanding the nature of the child, birth through eight years of life.
2. Schools and Programs for Young Children—An analysis of schools and programs for young children on the basis of the degree of structure, theoretical base, philosophy, goals and objectives, history and origin, and the role of the teacher.
3. Curriculum—Development of concepts and skills relating to the scope and importance of each content area of the curriculum for young children. An exploration of the methods, materials, and techniques appropriate for children in pre-school through third grade.

This course requires fifteen hours of observation and participation in programs for young children. (Formerly Education 231)

EDUCATION 334 Communication Skills and the Young Child Three credit hours

A study of ways in which the young child organizes and communicates ideas and feelings through designed learning experiences. A minimum of ten hours of observation and participation with children from infancy through age eight will provide the laboratory experiences accompanying this course.

EDUCATION 336 Science and the Young Child Three credit hours

An examination of scientific concepts and phenomena in ways which are consistent with the young child's way of seeing, inquiring, and experimenting with the natural environment. Emphasis on problem solving approaches to discovery.

EDUCATION 337 Reading in the Elementary School I Three credit hours

The first of two courses designed to prepare teachers to teach reading in the elementary school. Emphasis on prereading and early reading experiences which lead ultimately to skill in reading. Twenty hours of laboratory experience required. (Formerly Education 337I)

EDUCATION 338 Reading in the Elementary School II Three credit hours

The second of two courses designed to prepare teachers to teach reading in the elementary school. Emphasis is placed on increased knowledge of the reading process and effective use of methods, techniques and materials in reading instruction. (Education 337 is a prerequisite.) Twenty hour of laboratory experiences required. (Formerly Education 337II)

EDUCATION 398 Literature for the Young Child Three credit hours

Wide exploration and study of picture-story books, including Caldecott and Newberry awards, storytelling as an art, puppets for expression, use of films, filmstrips, and other media with a primary focus on uses within early education programs.

EDUCATION 431 Senior Seminar for Student Teachers in Early Childhood and Intermediate Education Three credit hours

This seminar is a forum for discussion and interpretation of student problems, concerns, and accomplishments. The course also provides the student with an opportunity to assess, acquire, and strengthen the understandings and competencies required of teachers in Early Childhood and Intermediate Education. This course is taught concurrently with Student Teaching (Ed. 490X, 491X).

EDUCATION 490X Student Teaching in Early Childhood Education Nine credit hours

Students are placed in cooperating schools in a kindergarten or primary classroom for one semester. Activities include directed observation, guided participation, and fulltime classroom teaching.

CURRICULUM FOR EARLY CHILDHOOD EDUCATION MAJORS

(Sequence of Required General Education, Professional and Specialty Courses)

CURRICULUM FOR EARLY CHILDHOOD EDUCATION (K-4)

(Effective Fall, 1984)

Freshman Year

First Semester	Credit Hours	Second Semester	Credit Hours
English 191	3	English 192	3
Math 131	3	Math 132	3
History 131	3	History 132	3
Psychology 131	3	Biology 140	4
Physical Education (Activity)	1	Speech 131	3
Religion 130 or Phil 131	3	Health Education 121	<u>2</u>
Orientation 120	<u>2</u>		18
	18		

Sophomore Year

English 231	3	English 232	3
Sociology 131	3	Political Science 131	3
Music 131	3	Art 231	3
Physical Science 141	4	Education 231	3
Education 230	3	Education 232	3
Physical Education 115	<u>1</u>	Psychology 235	<u>3</u>
	17		18

Apply for admission to Teacher Education the second semester of the sophomore year.

Junior Year

French or Spanish 131	3	French or Spanish 132	3
Art 230	3	Education 338	3
Education 337	3	Education 398	3
Math 337	3	Education 334	3
Music 339	3	Psychology 239	3
Education 320	2	Education 336	<u>3</u>
Education 310	<u>1</u>		18
	18		

Apply for admission to student teaching during the seventh semester.

Senior Year			
Education 391	3	Education 431	3
History 231	3	Education 490X	9
Health 334	3		
Education 233	3		12
Physical Education 232	3		
Elective	<u>3</u>		
	18		

A grade of "C" or better is required in each course submitted for fulfillment of the Early Childhood Education Major except general education courses in Foreign Language, Religion, Philosophy, and Physical Education. The student must have an overall average of 2.5.

Intermediate Education: For Teachers of Grades 4-6

EDUCATION 310 Junior Practicum in Early Childhood Education One credit hour

The practicum will provide Junior year students in Education an opportunity to strengthen their understanding of the primary school program and to acquire skills and experiences by working directly with children in a classroom setting. This course is taught concurrently with the Elementary School (Education 320).

EDUCATION 311 Junior Practicum in Intermediate Education One credit hour

The practicum will provide Junior year students in Education an opportunity to strengthen their understanding of the upper elementary school program and to acquire skills and experiences by working directly with children in a classroom setting. This course is taught concurrently with the Elementary School (Education 320).

EDUCATION 320 The Elementary School Two credit hours

Special attention to the philosophy, aims, principles, and practices of education as they relate to the elementary school. Required of all candidates for either the early childhood or the intermediate teacher's certificate. Prerequisite: Education 231. Education 320 was formerly Education 339.

EDUCATION 332 Children's Literature Three credit hours

Study of the types of literature available and suitable for primary and intermediate grades. Required only of elementary education majors.

EDUCATION 333 Teaching Science in the Elementary School Three credit hours

Emphasis on the principles, practices, and procedures of the teaching of science in the elementary school.

EDUCATION 337 Reading in the Elementary School I Three credit hours
(See description under Early Childhood Education.)

EDUCATION 338 Reading in the Elementary School II Three credit hours
(See description under Early Childhood Education.)

EDUCATION 390 Language Materials and Methods Three credit hours
Guidance of learning activities in the development of language. An analysis of ways of helping children to grow in reading, writing, speaking, and listening efficiency.

EDUCATION 391 Teaching the Social Studies in the Elementary School Three credit hours

A course designed to help elementary teachers to develop a social studies program. Includes methods, materials, and techniques which seem to be most effective in all of the elementary school grades.

EDUCATION 431 Senior Seminar for Early Childhood and Intermediate Majors Three credit hours

(See description under Early Childhood Education.)

EDUCATION 491X Student Teaching in the Elementary School Nine credit hours

A course requiring students to be placed in cooperating public elementary schools for the practical study of teacher’s problems in a laboratory setting. Includes directed observation, guided participation, and full-time classroom teaching. Open only to seniors who are regularly enrolled in the University and who have completed all other course requirements.

CURRICULUM FOR INTERMEDIATE EDUCATION (4-6)

(Effective Fall, 1984)

Freshman Year

First Semester	Credit Hours	Second Semester	3Credit Hours
English 191	3	English 192	3
Math 131	3	Math 132	3
History 131	3	History 132	3
Psychology 131	3	Biology 140	4
Physical Education (Activity)	1	Speech 131	3
Religion 130 or Phil 131	3	Health Education 121	<u>2</u>
Orientation 120	<u>2</u>		18
	18		

Sophomore Year

English 231	3	English 232	3
Sociology 131	3	Political Science 131	3
Music 131	3	Art 231	3
Physical Science 141	4	Education 232	3
Education 230	3	Physical Education 232	3
Physical Education 115	<u>1</u>	Psychology 235	<u>3</u>
	17		18

Apply for admission to Teacher Education the second semester of the sophomore year.

Junior Year

French or Spanish 131	3	French or Spanish 132	3
Art 230	3	Music 339	3
Education 337	3	Education 338	3
Math 337	3	Education 332	3
Education 390	3	Education 333	3
Education 320	2	Psychology 239	<u>3</u>
Education 311	<u>1</u>		18
	18		

Apply for admission to student teaching during the seventh semester.

Senior Year

Education 391	3	Education 431	3
History 231	3	Education 491X	<u>9</u>
English Elective	3		12
Health 334	3		
Education 233	3		
Math Elective	<u>3</u>		
	18		

A grade of "C" or better is required in each course submitted for fulfillment of the Intermediate Education Major except general education courses in Foreign Language, Religion, Philosophy, and Physical Education. The student must have an overall average of 2.5.

Secondary Education: For Teachers of Grades 1-12

EDUCATION 312 Junior Practicum in Secondary Education One credit hour

The practicum will provide Junior year students in Education an opportunity to strengthen their understanding of the secondary school program and to acquire skills and experiences by working directly with students in the classroom. This course is taught concurrently with The Secondary School (Education 321).

EDUCATION 321 The Secondary School Two credit hours

A survey course concerned with the purposes, clientele, organization, administration, teaching methodology, and viable problems of the contemporary American secondary schools. Offers prestudent teaching observation experiences in a public school setting. Public school pupil register clinic: ancillary component of the course. Required of all secondary education majors. (Formerly Education 395)

EDUCATION 393 Reading in the Secondary School Three credit hours

A course designed to help students who are pursuing teaching careers to recognize and to deal with various reading problems encountered in the secondary school. Emphasis on reading skills that secondary pupils must master and the teaching techniques that the instructor may utilize to develop these skills.

EDUCATION 432 Seminar: Curriculum and Instructional Planning Three credit hours

A seminar on curriculum and instructional planning. Students work in areas and on problems of interest to them. Learning activities include wide use of instructional models, demonstrations, simulations and role playing. This course is taught concurrently with student teaching, Education 492X.

EDUCATION 492X Student Teaching in the Secondary School Nine credit hours

A course requiring students to be placed in cooperating public secondary schools for the study of teachers' problems in a laboratory setting. Includes directed observation, guided participation, and full-time classroom teaching. Open only to seniors who are regularly enrolled in the University and who have completed all other course requirements.

SEQUENCE OF REQUIRED PROFESSIONAL EDUCATION AND SUPPORTIVE COURSES FOR SECONDARY MAJORS

Freshman Year

First Semester	Credit Hours	Second Semester	Credit Hours
General Education and Electives	<u>15</u>	General Education and Electives	<u>15</u>
	15		15

Sophomore Year

General Education, Major, and Electives		General Education, Major, and Electives	
Education 230	<u>3</u>	Education 231	<u>3</u>
	18		18

Apply for admission to Teacher Education the second semester of the sophomore year.

Junior Year

Major and Electives	12	Major and Electives	12
Education 321	2	Psychology 239	3
Education 312	1	*Education 393	<u>3</u>
Psychology 237	<u>3</u>		18
	18		

Apply for admission to Student Teaching during the sixth or seventh semester.

Senior Year

Major and Electives	15	**Education 432	3
Methods in the area of Specialization 2-		**Education 492X	<u>9</u>
	<u>3</u>		12
	17-18		

**Education 393 must be taken during the junior year. Any exception must be approved by the Head of the Education Department.*
***The Student Teaching Semester will be the second semester of the senior year for most students. Students will be able to take only those courses listed, which constitute a full load.*

ELECTIVE COURSES IN EDUCATION

EDUCATION 235 Educational Communications Technology Three credit hours
A study of the utilization of educational technology and media in the classroom and in industry. Special emphasis on the actual operation of the 8mm and 16mm motion picture cameras, etc. Instruction relative to the construction of teaching aids, such as transparencies, laminations, photocopies, mimeograph and spirit duplicator stencils, graphic materials, etc. Strongly recommended for all students who are enrolled in teacher education. (Formerly Audio-visual Materials and Methods.)

EDUCATION 325 Family, School, and Community Two credit hours
This course is designed to help students develop skills in working with parents and to learn techniques of getting the community involved in school activities. Class projects will require students interaction with the community.

EDUCATION 331 Measurement and Evaluation **Three credit hours**
Examines the selection and use of tests and other assessment instruments in the classroom. Stress is placed on the construction and use of teacher-made tests.

EDUCATION 410, 420 Independent Study **One to three credit hours**
A planned and structured research project jointly defined by student and faculty. Number of credit hours contingent upon scope of work to be completed. May be taken for credit in early childhood, intermediate, or secondary education.

SPECIAL EDUCATION

Special education refers to the training given students who are exceptional in various ways: the learning disabled, the mentally retarded, the culturally different, the emotionally disturbed, the gifted, and the talented. This "special" education for mildly handicapped children will increasingly be provided in the regular classroom. Johnson C. Smith students who take elective courses in special education will be prepared to teach all children in the regular classroom.

EDUCATION 233 Introduction to Exceptional Children **Three credit hours**
A course concerned with the characteristics and problems of exceptional children, including the learning disabled, the mentally retarded, the emotionally disturbed, and the gifted and talented. (Formerly 133)

EDUCATION 264 Practicum in Critical Observation in Special Education **Six credit hours**
A sophomore practicum in critical observation for prospective teachers in which students spend five additional hours a week serving as a teacher's assistant and attend a weekly planned seminar.

EDUCATION 296 Psychology of the Exceptional **Three credit hours**
An examination of psychological approaches to understanding a variety of handicapping and facilitating deviations from the usual. Emphasis on applications to educational settings. (Same as Psychology 230.)

EDUCATION 399 Multidisciplinary Survey of Special Education **Three credit hours**
A study of cultural, social, intellectual, and educational problems and issues in special education. Includes behavior modification, counseling and guidance, civil rights, cultural differences, diagnosis and assessment, inquiry and research, and teacher attitudes.

EDUCATION 465 Individualizing Curriculum for Special Education **Six credit hours**
Interpretation, design, development, and implementation of curriculum used in special education. Involves student teaching under supervision.

EDUCATION 496 Multidisciplinary Transcategorical Seminar **Three credit hours**
A course concerned with transcategorical issues in special education; therapy, classroom management, counseling, evaluation, prescriptive teaching and mainstreaming.

PROFESSIONAL LABORATORY EXPERIENCES

Professional laboratory experiences constitute an essential part of the preparation of teachers. These experiences include all of student's direct school and community relationships which are designed to contribute to the understandings and competencies needed to perform and function as a classroom teacher. These experiences include a planned program of observation with varying degrees of participation as early as possible in the program. Examples of essential participatory activities are, observer, school service aide, instructional aide, tutor, monitor, and suitable roles in state and community service agencies.

Professional Laboratory Experiences prior to student teaching are categorized as pre-student teaching experiences. Students in Early Childhood and Intermediate Education are required to complete 80-100 non credit clock hours in pre-student teaching experiences. Forty-five non credit clock hours are required of Secondary Education Majors.

The Education Department operates the Mary Irwin Belk Early Childhood center as a demonstration program for the care and education of young children between the ages of 2 and 5. The Center provides many and varied opportunities for students to observe young children and to learn about modern materials and teaching methods through practical experiences.

STUDENT TEACHING

All Teacher Education Majors are required to satisfactorily complete one full semester of student teaching. The student teaching semester occurs in the senior year and is devoted entirely to study in professional education and to student teaching. No student accepted for enrollment in student teaching is permitted to register for any courses other than those which accompany student teaching.

Students who wish to do student teaching during the senior year must file an application for student teaching with the Education Department at the beginning of the semester prior to the one in which student teaching is to begin. Application must be filed by January 20 for the FALL SEMESTER and by September 20 for the SPRING SEMESTER.

ADMISSION TO STUDENT TEACHING

The following requirements must be met prior to student teaching:

1. A cumulative grade point average of 2.50 or better
2. A grade of "C" or better in required courses in education, psychology, and those courses offered in fulfillment of the student's major

3. A grade of "C" or better in each course offered in fulfillment of general education requirements in English, social studies, mathematics and science
4. Demonstrated proficiency in oral and written communication
5. Completion of all course (education, general education, major) requirements for graduation except those education courses taught concurrently with student teaching
6. Approval of the Teacher Education Council, the Education Department and the department of the student's major
7. Official admittance into the Teacher Education Program at least one full semester prior to the semester in which student teaching is to occur and must maintain continuous membership in the program
8. Possession of a health certificate indicating good mental and physical health
9. Completion, at the satisfactory level, of the pre-student teaching required hours of professional laboratory experiences
10. Successfully completed Core Batteries I (Communication Skills) and II (General Education) of the National Teacher's Examination

Students will be notified by mail of the action taken on their application and of the semester in which they will do student teaching. It is expected that students will devote full time to student teaching.

TEACHER CERTIFICATION

The University will recommend for initial certification only those students who have successfully completed the requirements of any of the teacher education programs offered by Johnson C. Smith University and who have met the minimum score requirements on the Professional and Teaching Area Tests of the National Teacher Examinations.

The requirements for teacher certification may be summarized as:

1. Completion of requirements for a degree
2. Completion of an approved teacher education program
3. Credit for successful student teaching in the area of specialization
4. Recommendation of the Education Department, the Teacher Education Committee and the department of the major.
5. Satisfactory scores on the National Teacher Examinations

Students interested in obtaining teacher certification in states other than North Carolina will need to plan their program to meet the specific requirements of the given state.

DEPARTMENT OF HEALTH AND PHYSICAL EDUCATION

A student majoring in the area of Health and Physical Education must complete one of the following:

Health Education	41 credits
Physical Education	43 credits

Consult the listings on the following pages for required courses in each of the majors.

Each student majoring in the areas must complete Biology 140, Biology 146, and Biology 240. All majors must earn a minimum grade of "C" in any course that counts toward the major.

If a student is interested in pursuing the Aquatics track by passing Advanced Lifesaving and Water Safety Instruction, three additional courses are required for each of the options. For minor concentration in the areas of Health and Physical Education, the student should contact the department for guidance.

The following are requirements for students majoring in Health and Physical Education:

1. Membership in the Health and Physical Education club.
2. Purchase and wear the major uniform prescribed by the department and club (Physical Education majors only).
3. Hold active membership in the North Carolina Alliance for Health, Physical Education, Recreation and Dance. Membership is recommended (optional) for the American Alliance for Health Physical Education, Recreation and Dance.

Students in other departments may satisfy health and activity general education requirements by satisfactorily completing HE 121 and any two courses from PE 010 through PE 119, except 026-027 (not general education requirement electives). In addition, students from other departments must wear the prescribed uniform for activity courses.

Physical Education 119-I & II is an adaptive course offered only to students with temporary or permanent handicapping conditions. Enrollment in the course is contingent upon permission from a physician, and the inability of the student to participate in the regular activity courses.

HEALTH EDUCATION MAJOR COURSE REQUIREMENTS

Health Education	221	Introduction to Health Education	2
Health Education	222	Health Related Fitness	2
Health Education	223	Community Health	2
Health Education	224	Healthful Living	2
Health Education	225	Drugs, Alcohol and Tobacco	2
Health Education	231	Health and Nutrition	3
Health Education	232	Human Sexuality and Family Living	3
Health Education	321	Mental Health	2
Health Education	322	Minority Health Problems/Issues	2
Health Education	323	Health Education in the Elementary Schools	2
Health Education	325	Organization and Administration of Health Education	2
Health Education	331	Safety and Emergency Care	3
Health Education	332	Principles, Procedures and Practices in Health Education	3
Health Education	333	School Health Problems	3
Health Education	421	Contemporary Trends, Issues and Research in Health Education	2
Health Education	433	Major Practicum	3
Health Education	434	Methods and Materials in Teaching Health Education	<u>3</u>
			41
Biology	140	Introductory Biology	4
Biology	146	Molecular Biology	4
Biology	240	Anatomy and Physiology	<u>4</u>
			12

PHYSICAL EDUCATION MAJOR COURSE REQUIREMENTS

Physical Education	221	Introduction to Physical Education	2
Physical Education	222	Dual and Single Games	2
Physical Education	223	Gymnastics and Stunts	2
Health Education	223	Community Health	2
Physical Education	224	Rhythm and Dance Activities	2
Physical Education	321	Physical Education in the Elementary Schools	2
Physical Education	322	Methods and Materials of Teaching Team Sports	2
Physical Education	323	Adapted Physical Education	2
Physical Education	324	Athletic Training	2
Physical Education	325	Organization and Administration of Physical Education	2
Physical Education	331	Principles of Physical Education	3
Physical Education	332	Kinesiology	3
Health Education	333	School Health Problems	3
Physical Education	421	Contemporary Trends, Issues and Research in Physical Education	2
Physical Education	431	Methods and Materials in Teaching Physical Education	3

Physical Education	432	Exercise Physiology	3
Physical Education	433	Major Practicum	3
Health Education	434	Methods and Materials in Teaching Health Education	<u>3</u>
			43
Biology	140	Introductory Biology	4
Biology	146	Molecular Biology	4
Biology	240	Anatomy and Physiology	<u>4</u>
			12

GENERAL EDUCATION REQUIREMENT COURSES IN PHYSICAL EDUCATION AND HEALTH EDUCATION

PHYSICAL EDUCATION	010	Beginner Tennis	1
PHYSICAL EDUCATION	011	Beginner Golf	1
PHYSICAL EDUCATION	012	Beginner Volleyball	1
PHYSICAL EDUCATION	013	Beginner Soccer	1
PHYSICAL EDUCATION	110	Basic Swimming	1
PHYSICAL EDUCATION	111	Advanced Beginner Swimming	1
PHYSICAL EDUCATION	112	Intermediate Swimming	1
PHYSICAL EDUCATION	113	Intermediate Tennis	1
PHYSICAL EDUCATION	114	Recreational Games	1
PHYSICAL EDUCATION	115	Rhythm and Dance Activities	1
PHYSICAL EDUCATION	116	Team Sports	1
PHYSICAL EDUCATION	117	Physical Fitness	1
PHYSICAL EDUCATION	119-I	Adapted Physical Education	1
PHYSICAL EDUCATION	119-II	Adapted Physical Education	1
HEALTH EDUCATION	121	Personal Health	2
ELECTIVE COURSES			
PHYSICAL EDUCATION	026	Sports Officiating I	2
PHYSICAL EDUCATION	027	Sports Officiating II	2
PHYSICAL EDUCATION	120	Introduction to Recreation	2
PHYSICAL EDUCATION	213	Advanced Lifesaving	1
PHYSICAL EDUCATION	220	Water Safety Instruction	2
PHYSICAL EDUCATION	225	Skills and Techniques	2
PHYSICAL EDUCATION	227	Philosophy of Coaching	2
PHYSICAL EDUCATION	228	Fundamental Concepts in Exercise Science	2

HEALTH EDUCATION

- HEALTH EDUCATION 121

Personal Health

Two credit hours

A lecture course discussing topics such as preventive health care and nutrition, coping in today’s society, decision making, diseases, drugs, love and the human life cycle, etc. This course satisfies the general education requirement for non-majors. (Formerly Personal Hygiene)
- HEALTH EDUCATION 221

Introduction to Health Education

Two credit hours

This is the first course for students majoring in health education. It is designed to provide: an overview of the field, information concerning career opportunities and professional growth, and practical experience in an area of interest with a minimum of ten (10) clock hours of observation at an outside agency or organization. (Formerly Health and Physical Education 228)

- HEALTH EDUCATION 222 Health Related Fitness** **Two credit hours**
 This course is designed to develop knowledge and skills in the area of health related fitness. Emphasis will be placed on those aspects of physiological and psychological functioning which offer some protection against degenerative type diseases such as coronary heart disease, obesity, and various musculoskeletal disorders.
- HEALTH EDUCATION 223 Community Health** **Two credit hours**
 A study of the health aspects of the community such as sanitation, pollution, disease, etc. and their implications for society.
- HEALTH EDUCATION 224 Healthful Living** **Two credit hours**
 This course provides the student with knowledge and techniques of health as it affects personal, professional, and family living. Health careers are also an aspect of this course. Satisfies the general education requirement in health for Health Education majors only. (Formerly Health Education 230)
- HEALTH EDUCATION 225 Drugs, Alcohol and Tobacco Abuse** **Two credit hours**
 This course is concerned with the effects of the use and the abuse of drugs, alcohol and tobacco on the individual and society.
- HEALTH EDUCATION 231 Health and Nutrition** **Three credit hours**
 This course deals with nutritional needs of the human body and the implications for healthful living. (Formerly Health Education 235)
- HEALTH EDUCATION 232 Human Sexuality and Family Living** **Three credit hours**
 This course deals with concepts concerning sexuality and implications for self, school and society. (Formerly Health Education 231)
- HEALTH EDUCATION 310, 320, & 330 Independent Study** **One - Three credit hours**
 A course designed to provide intensive work in an area of special interest or a required topic in health education. This course is available to qualified students upon recommendations from the academic advisor and the instructor related to the topic. (Formerly Health Education 320)
- HEALTH EDUCATION 321 Mental Health** **Two credit hours**
 This course is designed to develop knowledge and skills in the area of mental health. Emphasis will be placed on the identification of stressors at various life stages and behavioral techniques available to promote and enhance positive mental health. (Formerly Health Education 321)
- HEALTH EDUCATION 322 Minority Health Problems and Issues** **Two credit hours**
 This course is designed to discuss the social characteristics of minority populations, mortality and morbidity indicators, prevention strategies, and the recommendations by the Department of Health and Human Services.
- HEALTH EDUCATION 323 Health Education in the Elementary Schools** **Two credit hours**
 This course is designed to assist the students in developing knowledge and skills in planning curricula, defining instructional objectives, and writing lesson plans to enhance their effectiveness in teaching health education content at the elementary school level.

HEALTH EDUCATION 325 Organizations and Administration of Health**Education****Two credit hours**

This course provides the student with competencies essential to organizing and administering health education programs. (Formerly Health and Physical Education 331)

HEALTH EDUCATION 331 Safety and Emergency Care**Three credit hours**

This course is designed to aid the student in developing the knowledge and skills essential for safety measures and emergency care procedures. Successful completion of this course carries American Red Cross certifications in first aid, cardiopulmonary resuscitation and possibly a certification as an instructor. (Formerly Health Education 320, 321)

HEALTH EDUCATION 332 Principles, Procedures and Practices in Health**Education****Three credit hours**

The study of health education principles, procedures and practices to improve health learning and teaching in the school and public setting. (Formerly Health Education 334)

HEALTH EDUCATION 333 School Health Problems**Three credit hours**

A study of the school health program, its values, and its problems in developing health education in the secondary school. (Formerly Health Education 335)

HEALTH EDUCATION 421 Contemporary Trends, Issues, and Research in**Health Education****Two credit hours**

The purpose of this course is to expose professional students to significant issues, methodology and research in the field of health education, and to investigate an area of major interest. The student will be assigned an advisor to monitor the research, and the student will submit a paper based upon this research. (Formerly Health and Physical Education 326)

HEALTH EDUCATION 433 Major Practicum**Three credit hours**

This is primarily a laboratory course in which student majors actually practice the utilization of methods, techniques, and the use of materials under the direct supervision of a faculty member. The practicum generally takes place at local agency or in a public school setting. (Formerly Health and Physical Education 433)

HEALTH EDUCATION 434 Methods and Materials in Teaching Health Education**Three credit hours**

A course designed to provide the student with the opportunity to develop knowledge and competencies in the use of effective methods of teaching health education and the effective use of resources. This course includes an observation period, the use of A-V material and equipment, and exposure to the computer.

PHYSICAL EDUCATION**PHYSICAL EDUCATION 010 Beginner Tennis****One credit hour**

This is an activity course designed to teach basic tennis knowledge and skills including: forehand, backhand, serve, singles and doubles play.

PHYSICAL EDUCATION 011 Beginner Golf**One credit hour**

This is an activity designed to teach basic golf knowledge and skills preliminary to course play.

PHYSICAL EDUCATION 012 Beginner Volleyball **One credit hour**

This is an activity course designed to teach fundamental terms, rules, skills and strategies of volleyball.

PHYSICAL EDUCATION 013 Beginner Soccer **One credit hour**

This course is designed to teach fundamental knowledge, strategy and skills of soccer such as kicking, trapping, volleying, heading, tackling, etc.

PHYSICAL EDUCATION 026 Sports Officiating I **Two credit hours**

A course providing the student with knowledge, skills and mechanics essential to athletic sports officiating in football, basketball, and volleyball.

PHYSICAL EDUCATION 027 Sports Officiating II **Two credit hours**

A course providing the student with knowledge, skills, and mechanics essential to athletic sports officiating in swimming, basketball, softball, tennis, track and field.

PHYSICAL EDUCATION 110 Basic Swimming **One credit hour**

This is a swimming course structured to train students up to advanced beginner level.

PHYSICAL EDUCATION 111 Advanced Beginner Swimming **One credit hour**

A swimming course designed to train students with basic swimming skills. Prerequisite: Pass Physical Education 110.

PHYSICAL EDUCATION 112 Intermediate Swimming **One credit hour**

This course provides the student with the opportunity to develop a high level of proficiency in the American crawl, back crawl, elementary backstroke, etc. Prerequisite: Pass Physical Education 111.

PHYSICAL EDUCATION 113 Intermediate Tennis **One credit hour**

This course affords the student the opportunity to develop more advanced strokes such as the volley, the overhead shot, the drop shot, and the lob. This course also allows the student to be in actual dual match competition in a smaller class setting. Prerequisite: Physical Education 010 or obtain permission from the instructor.

PHYSICAL EDUCATION 114 Recreational Games **One credit hour**

A course in bowling, shuffleboard, handball, badminton, tennis, paddle tennis, golf, and archery. Activities based upon semester.

PHYSICAL EDUCATION 115 Rhythm and Dance Activities **One credit hour**

This is a course consisting of a variety of rhythm and dance activities: folk, square, social, modern, etc.

PHYSICAL EDUCATION 116 Team Sports **One credit hour**

A course in teamsports: field hockey, basketball, volleyball, flag football, soccer. Activities offered based upon semester.

PHYSICAL EDUCATION 117 Physical Fitness **One credit hour**

This is a course in physical fitness, exercises, weight training, aerobics and combination acts.

PHYSICAL EDUCATION 119-I and 119-II Adapted Physical Education One credit hour

A course in conditioning and sport activities designed for those with temporary or permanent physical disabilities which prevent participation in regular activity classes. A student must have permission from a physician before participating in the course.

PHYSICAL EDUCATION 120 Introduction to Recreation Two credit hours

An elective course designed to acquaint students with contemporary trends in administration, supervision, facilities and other areas of public and private recreation. A general historical background is included.

PHYSICAL EDUCATION 213 Advanced Lifesaving One credit hour

A swimming course designed to provide the student with lifesaving skills and knowledge required for American Red Cross certification. (Formerly Physical Education 215)

PHYSICAL EDUCATION 220 Water Safety Instructor Two credit hours

This course provides the student with knowledge and skills essential for teaching Beginner and Advanced Beginner Swimming. Also, the student would be certified to teach Basic Water Safety and Rescue. Prerequisites: Physical Education 111 and 213 (Formerly Physical Education 215).

PHYSICAL EDUCATION 221 Introduction to Physical Education Two credit hours

This is the first course for students majoring in physical education. It is designed to provide: an overview of the field; information concerning career opportunities and professional growth; and practical experience in an area of interest with a minimum of ten clock hours of observation at an outside agency or organization.

PHYSICAL EDUCATION 222 Dual and Single Games Two credit hours

A course providing teaching methods for individual and partner activities such as racquetball, tennis, archery, badminton, bowling, golf, etc. (Formerly Physical Education 224)

PHYSICAL EDUCATION 223 Gymnastics and Stunts Two credit hours

The techniques of teaching and learning the fundamentals of gymnastics and stunts are emphasized in this course. The fundamentals of skills on mats (tumbling and floor exercises), the balance beam, parallel bars, the horse, and other apparatus will be taught. (Formerly Physical Education 325)

PHYSICAL EDUCATION 224 Rhythm and Dance Activities Two credit hours

This course presents the fundamental skills, and the methods and techniques of teaching rhythm and dance activities. (Formerly Physical Education 329)

PHYSICAL EDUCATION 225 Skills and Techniques Two credit hours

This course provides opportunities for the professional student to develop competencies in performing physical education skills. (Formerly Physical Education 229)

PHYSICAL EDUCATION 227 Philosophy of Coaching Two credit hours

An elective course offered to majors and non-majors aspiring to enter the coaching profession. This course will assist students in developing a coaching philosophy by discussing topics such as foundations of physical education and athletics, and general coaching classes.

PHYSICAL EDUCATION 228 Fundamental concepts in Exercise Science Two credit hours

The course familiarizes the student with some fundamental concepts, and materials relative to exercise physiology concepts will be introduced.

PHYSICAL EDUCATION 310, 320 & 330 Independent Study One - three credit hours

A course designed to provide intensive work in an area of special interest or a required topic in physical education. This course is available to qualified students upon recommendation from the academic advisor and the instructor related to the topic. (Formerly Physical Education 330)

PHYSICAL EDUCATION 321 Physical Education in the Elementary Schools Two credit hours

A course designed to provide students with knowledge and practical experience that will enhance their effectiveness in teaching physical education to elementary school children. A laboratory experience is required. (Formerly Physical Education 232)

PHYSICAL EDUCATION 322 Methods and Materials in Teaching Team Sports Two credit hours

This course prepares the student with competencies in the utilization of materials, methods and techniques for teaching team type activities. (Formerly Physical Education 323, 324)

PHYSICAL EDUCATION 323 Adapted Physical Education Two credit hours

This course is designed to provide the students with the philosophy, the knowledge, and methods of teaching physical education to the exceptional or handicapped individual. A practical experience (required lab) is included to implement classroom instruction. (Formerly Physical Education 323, 327, 337)

PHYSICAL EDUCATION 324 Athletic Training Two credit hours

This course introduces the student to the areas of prevention, care, and rehabilitation of athletic injuries which contributes to the enhancement of athletic performance. (Formerly Physical Education 330)

PHYSICAL EDUCATION 325 Organization and Administration of Physical Education Two credit hours

This course provides the student with competencies essential to organizing and administering physical education programs. (Formerly Health and Physical Education 331)

PHYSICAL EDUCATION 331 Principles of Physical Education Two credit hours

A lecture course dealing with the underlying principles and meaning of physical education. Prerequisite: Physical Education 228 (Formerly Physical Education 336)

PHYSICAL EDUCATION 332 Kinesiology Three credit hours

This course reinforces student knowledge of anatomy, and it provides the student with the opportunity to develop competencies essential to analyzing physical activity performance. A laboratory experience is included. Prerequisite: Biology 240 or it can be taken concurrently. (Formerly Physical Education 333 - Anatomy and kinesiology)

PHYSICAL EDUCATION 421 Contemporary Trends, Issues, & Research Two credit hours

The purpose of this course is to expose professional students to significant issues, methodology, and research in the field of physical education, and to investigate an area of major interest. The student will be assigned an advisor to monitor the research, and the student will submit a paper based upon this research.

PHYSICAL EDUCATION 431 Methods & Materials in Teaching Physical Education Three credit hours

A study of and the effective use of methods and materials (media and the computer) for teaching physical education in the public schools. (Formerly Physical Education 422)

PHYSICAL EDUCATION 432 Exercise Physiology Three credit hours

This course presents fundamental concepts and materials pertinent to the various functions of the human body during physical activity. It provides the student with the knowledge of the physiological effects of exercise as well as an awareness of the values of physical activity to man’s well being. A laboratory experience is required. Prerequisites: Biology 240 (Can be taken concurrently)

PHYSICAL EDUCATION 433 Major Practicum Three credit hours

This is primarily a laboratory course in which student majors actually practice the utilization of methods, techniques, and the use of materials under the direct supervision of a faculty member. The practicum takes place at a local agency or in a public school setting.

CURRICULUM FOR A HEALTH EDUCATION MAJOR

Teacher Education

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
Philosophy 131 or	3	Speech 131	3
Religion 130	3	Psychology 131	3
Social Science 131	3	Math 132	3
Math 131	3	PED 010-118	1
Orientation 120	2	Physical Science 141	4
PED 010-118	1		17
	18		

Sophomore Year

English 231	3	English 232	3
Music 131	3	Art Appreciation 231	3
French/Spanish 131	3	French/Spanish 132	3
Biology 140	4	Biology 146	4
History 131	3	Health Education 222	2
Health Education 221	2	History 132	3
	18		18

Junior Year

Biology 240	4	Health Education 224	2
Health Education 223	2	Health Education 232	3
Health Education 225	2	Health Education 322	2
Health Education 231	3	Health Education 332	3
Health Education 323	2	Education 231	3
Health Education 321	2	Psychology 237	<u>3</u>
Education 230	<u>3</u>		16
	18		

Senior Year

Health Education 325	2	Education 393	3
Health Education 331	3	Education 312	1
Health Education 333	3	Education 321	2
Health Education 421	2	Health Education 434	3
Health Education 433	3	Electives	<u>3</u>
Psychology 239	<u>3</u>		12
	16		

Student Teaching

Education 432	3
Education 492	<u>9</u>
	12

Placement

Health Education majors satisfy the semester hours in the health education course of the general requirements by completing Health Education 221 and Health Education 230. This waiver only applies to those who have declared a major in Health Education and maintain their status in the department until graduation.

CURRICULUM FOR A PHYSICAL EDUCATION MAJOR

Teacher Education

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
English 191	3	English 192	3
Philosophy 131 or		Speech 131	3
Religion 130	3	Psychology 131	3
Social Science 131	3	Math 132	3
Math 131	3	Health Education 121	2
Orientation 120	2	Physical Science 141	<u>4</u>
PED 010-118	1		18
PED 010-118	<u>1</u>		
	16		

Sophomore Year

English 231	3	English 232	3
Music 131	3	Art 231	3
French/Spanish 131	3	French/Spanish 132	3
Biology 140	4	Biology 146	4
History 131	3	History 132	3
Physical Education 221	<u>2</u>	Physical Education 222	<u>2</u>
	18		18

Junior Year

Biology 240	4	Physical Education 432	3
Physical Education 223	2	Physical Education 332	3
Health Education 223	2	Education 231	3
Health Education 333	3	Education 393	3
Physical Education 323	2	Psychology 237	3
Physical Education 325	2	Physical Education 321	<u>2</u>
Education 230	<u>3</u>		17
	18		

Senior Year

Physical Education 331	3	Physical Education 421	2
Psychology 239	3	Physical Education 431	3
Health Education 434	3	Electives	<u>7</u>
Physical Education 433	3		12
Education 312	1		
Education 321	<u>2</u>		
	15		

Student Teaching

Education 432	3
Education 492	<u>9</u>
	12

Placement

A student majoring in Physical Education may satisfy the semester hours for activity by completing Physical Education 221 and Physical Education 229. This only applies to those who have declared a major in Physical Education and maintain their status in the department until graduation.

DEPARTMENT OF PSYCHOLOGY

Consistent with the spirit of the University's statement of purpose, the Psychology Department seeks to provide students with those conditions which are most likely to foster each individual's overall growth and development. Emphasis is placed not only on the mastery of subject matter, but perhaps more important, on the mastery of the skills involved in learning *how to learn* with particular focus on the scientific method.

In addition, a conscientious effort is made to assist each student achieve greater self-awareness and to become more accepting of herself/himself. An accurate assessment of individual strengths and weaknesses is encouraged, so that this information can be utilized in seeking self-improvement activities and in career development planning.

More specifically, the department's curriculum is designed to:

- a. prepare students anticipating immediate entrance into the job market upon graduation, with marketable skills;
- b. equip majors and minors with a solid general background in psychology which will allow them to compete successfully for and to complete graduate studies in the field;
- c. equip majors and minors with those relevant subject matter skills which will prepare them for graduate level work in other related disciplines.

Psychology 131 or its equivalent is a prerequisite to all other courses in psychology and is credited towards the major and minor requirements. A major in psychology consists of thirty (30) credit hours which, in addition to Psychology 131, must include Psychology 132, 233, 333, and two of the following "cafeteria" courses: Psychology 234, 330, 332, 338, 339 and 435. The remaining credits will consist of free electives.

A minimum grade of C must be earned in all courses that count toward the major.

A minor in psychology consists of eighteen (18) credit hours which, in addition to Psychology 131, must include Psychology 132 and two of the following courses: Psychology 233 (prerequisite Mathematics 136), 330, 332, 333 (prerequisite 233), 338 and 435. Electives make up the remaining credits.

Students planning to major in psychology may take in the freshman year Psychology 131, 132 and in some cases Mathematics 136. Mathematics 136 is a prerequisite of Psychology 233, a major requirement. Whether or not students are eligible to take Mathematics 136 during their freshman year will depend upon their performance on the mathematics placement test given after entrance to the University.

An additional requirement for majors is completion of one of the following:

- a. a second year of a selected foreign language (a general education requirement mandates the first year)

or

- b. Computer Science 131 and 132

or

- c. Psychology 234 and 334.

The student may choose to pursue either of these three options.

PSYCHOLOGY 131 General Psychology I Three credit hours

A course designed to provide an understanding of behavior through the study of growth and development, motivation, emotion, learning, personality, intelligence, and other related topics. FALL and SPRING SEMESTERS.

PSYCHOLOGY 132 General Psychology II Three credit hours

A more intensive and rigorous treatment of selected topics within general psychology. Special emphasis on experimental procedures, laboratory demonstrations and participation. SPRING SEMESTER.

PSYCHOLOGY 230 Psychology of the Exceptional Three credit hours

An examination of psychological approaches to understanding a variety of handicapping and facilitating deviations from the usual. Emphasis on applications to educational settings. (Same as Education 296.) SPRING SEMESTER.

PSYCHOLOGY 233 Statistics for the Social and Behavioral Sciences Three credit hours

The application of descriptive and inferential statistics to data in the social and behavioral sciences. Emphasis on data classification, data reduction, the normal distribution, z scores, probability, hypothesis testing, z test, t test, statistical power. Prerequisite: Mathematics 136 or its equivalent. (Colisted as Sociology 233, Social Science 233.) Previous title: Psychological Statistics. FALL SEMESTER.

PSYCHOLOGY 234 Experimental Designs Three credit hours

Presentation of statistics used in the analysis of factorial experimental designs involving multiple independent variables. Emphasis is placed on the analysis of variance. Computerized analysis using a major comprehensive statistics package is covered as well as paper and pencil calculations. Prerequisite: Psychology 233 or its equivalent. SPRING SEMESTER.

PSYCHOLOGY 235 Psychology of Childhood Three credit hours

A study of the development of children from conception to adolescence. The biological factors and social forces that affect the growing child are dealt with, as are cognitive and moral development, learning, maturation and family relationships. FALL and/or SPRING SEMESTERS.

PSYCHOLOGY 237 Psychology of Adolescence Three credit hours

The psychology of behavior arising from the problems peculiar to the transitional period between childhood and maturity. FALL and/or SPRING SEMESTERS.

PSYCHOLOGY 239 Educational Psychology **Three credit hours**

A study of the theories of education and the principles of classroom learning. Concepts dealing with the acquisition of knowledge and interpersonal social relations are emphasized. The practical application of these principles are incorporated. FALL and/or SPRING SEMESTERS.

PSYCHOLOGY 330 The Psychology of Learning **Three credit hours**

A study of the facts and theories of human and animal learning. SPRING SEMESTER.

PSYCHOLOGY 332 The Psychology of Perception **Three credit hours**

A study of the basic phenomena of perception as determined by conditions in the external situation and within the perceiver. FALL SEMESTER.

PSYCHOLOGY 333 Experimental Psychology I **Three credit hours**

An introduction to the theory, methods, and techniques of experimental psychology with an emphasis on developing hypotheses, operational definitions, and predictions, developing methods of testing predictions, and interpretation of expected results. Each student designs an original research proposal on a topic of his or her choice that may be conducted in PSY 334. 2 hours lecture and 2 hours laboratory. Corequisite: Psychology 233 or its equivalent. FALL SEMESTER.

PSYCHOLOGY 334 Experimental Psychology II **Three credit hours**

Theory, methods, and techniques of experimental psychology as employed by specific subdisciplines within the field including laboratory, field, and quasi-experimental procedures. Each student will conduct original research in a chosen area resulting in a publication-quality paper. Computer simulations are used to teach procedures in other areas. 2 hours lecture, 2 hours laboratory. Prerequisite: Psychology 333 or permission of the instructor. SPRING SEMESTER.

PSYCHOLOGY 335, 325, 315 Selected Topics in Psychology **One (315), two (325), or three (335) credit hours**

Exploration of special psychological topics. May be repeated. Prerequisites: Fifteen (15) hours in psychology. ON OCCASION.

PSYCHOLOGY 338 Personality Theory **Three credit hours**

An introduction to some of the major theories of personality and their implications for daily living. The contents and functions of personality theories are explored. FALL SEMESTER.

PSYCHOLOGY 339 Principles of Psychological Measurement **Three credit hours**

An introduction to psychological testing which includes an exploration of the functions and origins of the area. Basic characteristics of assessment techniques such as the establishment of reliability and validity are studied. Students are introduced to some of the major psychological tests available today. Laboratory experience in test administration and interpretation is provided. SPRING SEMESTER.

PSYCHOLOGY 431 Social Psychology **Three credit hours**

Problems, concepts, and methods in the study of social interaction and interpersonal influence. (Same as Sociology 431.) SPRING SEMESTER.

PSYCHOLOGY 432 Abnormal Psychology **Three credit hours**
A study of the basic facts and theories of abnormal behavior from the psychologist's point of view. Provision is made for discussion of current and critical issues of mental disturbance. FALL SEMESTER.

PSYCHOLOGY 434 Introduction to Clinical Psychology **Three credit hours**
A study of the historical development of clinical psychology and an exploration of the theories of personality and behavior, the techniques and problems of diagnosis and personality assessment, the research role of the clinical psychologist, the diversity of psychotherapeutic approaches, community psychology and mental health, and professional issues related to the training and practice of clinical psychologists. SPRING SEMESTER.

PSYCHOLOGY 435 Theoretical Psychology **Three credit hours**
A comprehensive review of the development of the field of psychology and the systems and theories of psychology that have evolved out of their historical roots. Contemporary trends in each area of the discipline are explored. FALL SEMESTER.

PSYCHOLOGY 436, 426, 416 Independent Research in Psychology
One (416), two (426), or three (436) credit hours
Independent investigation of topics of special interest. Prerequisites: junior classification, six hours in psychology, approval of faculty supervisor. May be repeated. FALL and SPRING SEMESTERS.

PSYCHOLOGY 437 Individual Psychological Tests I **Three credit hours**
The administration and interpretation of tests for preschool and elementary school children. Prerequisites: Mathematics 136, Psychology 339, and nine additional hours in psychology. FALL SEMESTER.

PSYCHOLOGY 438 Individual Psychological Tests II **Three credit hours**
The administration and interpretation of tests at the adolescent and adult levels. Prerequisites: Mathematics 136, Psychology 339, and nine additional hours in psychology. SPRING SEMESTER.

PSYCHOLOGY 460 Internship in Psychology **Six credit hours**
An opportunity for students, under supervision, to participate in such professional psychological activities as testing, counseling, job placement, group therapy, and research. NOTE: Each student will be responsible for 160 to 200 hours of work in a selected community agency and for participation in periodic seminars. FALL and/or SPRING SEMESTERS.

CURRICULUM FOR PSYCHOLOGY MAJORS

Freshman Year			
Credit		Credit	
Fall Semester	Hours	Spring Semester	Hours
English 191	3	English 192	3
History 131	3	Psychology 131	3
French or Spanish 131	3	French or Spanish 132	3
Math 131	3	Math 136	3
Music 131	3	History 132	<u>3</u>
Orientation 120	<u>2</u>		15
	17		

Sophomore Year

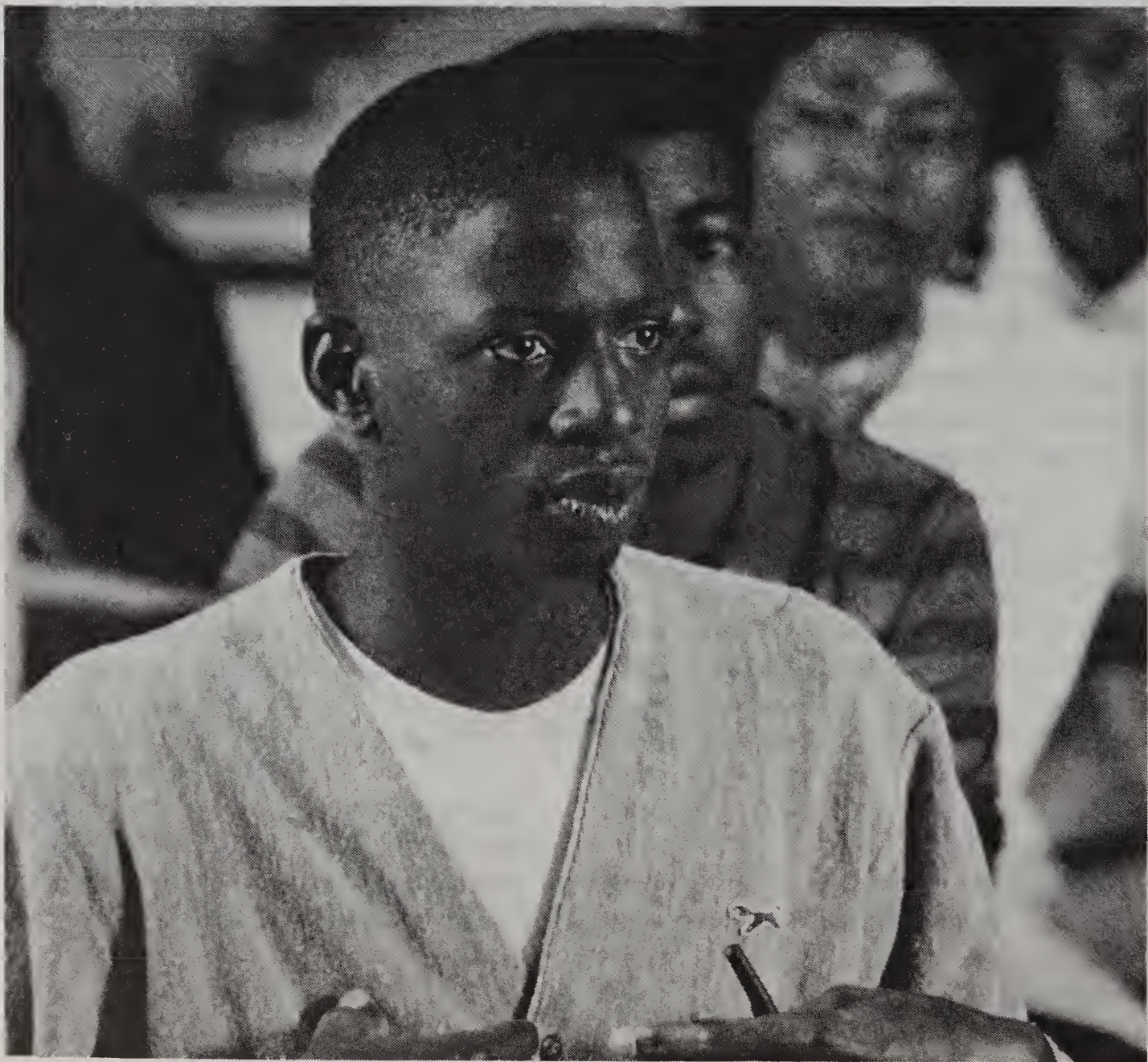
English 231	3	English 232	3
Psychology 233	3	Psychology 132	3
Psychology Elective (200 Level)	3	Speech 131	3
Computer Science 131	3	Computer Science 132	3
Biology 140	4	Physical Education (Activity)	1
Physical Education (Activity)	<u>1</u>	Physical Education 121	<u>2</u>
	17		15

Junior Year

Psychology 333	3	Psychology Electives	6
Physical Science 141	4	Social Science Requirement	3
Religion 130 or Phil 131	3	Electives	<u>6</u>
Art 231	3		15
Psychology "Cafeteria Requirement"	<u>3</u>		
	16		

Senior Year

Psychology "Cafeteria Requirement"	3	Electives	<u>12</u>
Psychology Electives	3		12
Electives	<u>9</u>		
	15		



DIVISION IV: MATHEMATICS AND SCIENCES

The Departments of Biology, Chemistry and Physics, and Mathematics and Computer Science constitute the Division of Science and Mathematics. Students may elect a major in biology, chemistry, computer science, mathematics or physics-mathematics. In addition, a general science major may be elected. All departments also provide for a minor although there is no requirement for a student to officially declare such.

Various pre-professional programs also come under the cognizance of this division. Both formal and informal arrangements with other institutions allow us to provide such opportunities as pre-medical, pre-dental, pre-pharmacy, or pre-engineering. Descriptions of these opportunities follow the major departmental offerings.

GENERAL SCIENCE MAJOR

A general science major consists initially of the basic courses in the four science areas (Biology 143-144, Chemistry 141-142, Physics 241-242 and six credits of Computer Science) plus a minimum of 6 credits of Mathematics beginning with 137 or above). In addition to these basic requirements, 12 credit hours in courses above these basic levels in one of the four sciences are required, plus 3 credit hours above these basic courses in another of the four sciences. Courses such as seminar and research are excluded from the fifteen hours required above the minimum.

DEPARTMENT OF BIOLOGY

The Department of Biology provides resources for the development of an understanding of life through a comprehensive and penetrating study of concepts, methodology, and philosophy of biology. The department provides an environment in which the broad themes of biology are discussed and their relevance to other disciplines may be appreciated. In addition, the department provides the opportunity for students to become prepared for graduate work, research, and training for professional service in medicine, dentistry, medical technology, other health science fields, and related areas.

A major in biology requires a minimum of thirty-two credit hours in biology; these thirty-two hours must include Biology 143, 144, 411, and 412. The other twenty-two credit hours must include at least one course from each of two groups. Group I consists of Biology 241, 331, 333, 334, 340, 343, and 345; group II consists of Biology 242, 342, 440, 442. Biology 140, 146, and 240 are for non-majors and may not be used to satisfy major requirements. A minimum grade of C is required in all of the courses listed above.

The biology major also requires thirty credit hours in related science and mathematics courses; these courses are Chemistry 141, 142, 341, and 342, Mathematics 137, 138, and Physics 241, 242. It is strongly recommended that majors complete Mathematics 438. In all supporting courses listed above, a minimum grade of "C" is required.

A minor in biology requires eighteen credit hours of biology courses which include eight credit hours in courses above the 100-level.

BIOLOGY 140 Introductory Biology **Four credit hours**

A study of the plant and animal kingdom. A general treatment of the structure, function, and continuity of living organisms. Lectures: three hours a week. Laboratory: two hours a week.

BIOLOGY 143 General Zoology **Four credit hours**

A study of the structures, function, environmental relationship, origin, and development of animals. Lectures: two hours a week. Laboratory: four hours a week.

BIOLOGY 144 General Botany

A study of the morphology, physiology, heredity, and evolution of plants, including a survey of the plant kingdom. Emphasis on life cycles. Lectures: two hours a week. Laboratory: four hours a week.

BIOLOGY 146 Molecular Biology **Four credit hours**

A study of the physical and chemical aspects of cellular activity. Fulfills requirement for the physical education major. Lectures: three hours a week. Laboratory: two hours a week.

BIOLOGY 240 Human Anatomy and Physiology **Four credit hours**

A study of the basic structure and functions of man, both descriptive and experimental. Prerequisite: Biology 140. Fulfills requirements for the physical education major. Lectures: three hours a week. Laboratory: two hours a week.

BIOLOGY 241 Cell Biology **Four credit hours**

A detailed study of the structure, organization, physiological activities, and evolution of plant and animal cells. Prerequisites: Biology 143-144. Lectures: two hours a week. Laboratory: four hours a week.

BIOLOGY 242 Ecology **Four credit hours**

Relationships between organisms and their environment. Emphasis on the climatic, edaphic, physiographic, and biotic principles involved. Prerequisites: Biology 143-144. Lectures: two hours a week. Laboratory: four hours a week. Several field trips to be included.

BIOLOGY 313-314 (Same as Chemistry 313-314) **One credit hour**

BIOLOGY 331 Laboratory Techniques **Three credit hours**

An interdisciplinary course in laboratory methods which will include chromatography, electrophoresis, spectrophotometry, and electroanalytic methods. Designed for students interested in medicine, dentistry, or allied health professions. Prerequisites: Biology 143-144 and Chemistry 141-142. Corequisite: Physics 241. Lecture: one hour a week. Laboratory: four hours a week.

BIOLOGY 333 (Same as Chemistry 333) **Three credit hours**

BIOLOGY 334 (Same as Chemistry 334) **Three credit hours**

BIOLOGY 340 Genetics **Four credit hours**

The transfer of hereditary characteristics studied at the molecular, organismic, and species levels. Prerequisites: Biology 143-144, 241. Mathematics 438 recommended. Lectures: three hours a week. Laboratory: four hours a week.

BIOLOGY 342 Microbiology **Four credit hours**

An introduction to the study of microorganisms. Special emphasis on their relationship to man. Prerequisites: Biology 143-144. Chemistry recommended. Lectures: two hours a week. Laboratory: four hours a week.

BIOLOGY 343 Histology **Four credit hours**

Instruction in the technique of preparing tissues for microscopic observation. The examination and detailed study of various tissues. Prerequisites: Biology 143-144. Lectures: two hours a week. Laboratory: four hours a week.

BIOLOGY 345 Embryology **Four credit hours**

A study of the development process in animals. Special reference to the frog, chick, pig, and man. Prerequisites: Biology 143-144. Biology 442 recommended. Lectures: two hours a week. Laboratory: four hours a week.

BIOLOGY 411-412 Seminar **One credit hour**

Independent work on recent findings of some aspect of biology. Prerequisite: must be a senior or have approval of the seminar coordinator.

BIOLOGY 410, 420, 430 Research Problems in Biology **One to three credit hours**

Independent or team work in laboratory investigation of some aspect of biology. Progress reports, discussions, and presentation of results. Work permitted to extend over several semesters. May be repeated for credit upon approval of the Department Chair. Prerequisite: approval of the research director.

BIOLOGY 440 Integrated Physiology **Four credit hours**

An analysis of processes by which vertebrates and invertebrates maintain, regulate, and perpetuate their structural and functional integrity. Prerequisites: Biology 143-144, Chemistry 141-142 and Chemistry 341. Biology 442 recommended. Lectures: two hours a week. Laboratory: four hours a week.

BIOLOGY 442 Comparative Anatomy **Four credit hours**

A general study of various vertebrate types, including mammals. A detailed laboratory study of the gross anatomy of a specimen of fish, amphibian, and mammal. Prerequisites: Biology 143-144. Lectures: two hours a week. Laboratory: four hours a week.

BIOLOGY 444 Pathobiology **Four credit hours**

The fundamentals of disease, emphasis on mechanism of cellular injury, inflammation, immunological injury, host-parasite relationship, and the genetic basis of disease. Prerequisites: Biology 143-144, and 342. Lectures: three hours a week. Laboratory: two hours a week.

CURRICULUM FOR BIOLOGY MAJORS

(Bachelor of Science Degree)

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Math 137	3	Math 235	3
Biology 143	4	Biology 144	4
English 191*	3	English 192*	3
French or Spanish 131	3	French or Spanish 132	3
Orientation 120	<u>2</u>	Music, Drama, Art, or Speech	<u>3</u>
	15		16

Sophomore Year

Chemistry 141	4	Chemistry 142	4
Physics 241	4	Physics 242	4
Biology 241	4	Biology 242	4
English 231 World Literature	3	English 232	3
Physical Education 121	2	Social Studies Elective	<u>3</u>
Physical Education Elective (Activity)	<u>1</u>		18
	18		

Junior Year

Chemistry 341	4	Chemistry 342	4
Biology 331 Laboratory Technique	3	Biology 412	1
Biology 411	1	Biology 410, 420, 430	1-2-3
Social Studies Elective	3	Social Studies Elective	3
Philosophy 131 or Religion 130	3	Drama, Art, or Speech	3
Physical Education Elective (Activity)	1	Religion 130 or Philosophy 131	<u>3</u>
Elective	<u>3</u>		15-17
	18		

Senior Year

Chemistry 333	3	Chemistry 334	3
Biology 340	4	Biology 342	4
Biology 440	4	Biology 345	4
Biology 410, 420, 430	1-2-3	Social Studies Elective	3
Elective	<u>3</u>	Elective	<u>3</u>
	15-17		17

*Mathematics and English courses in the freshman year: dependent upon placement results.

DEPARTMENT OF CHEMISTRY AND PHYSICS

The Department of Chemistry and Physics offers two majors: one in Chemistry and one in Physics-Mathematics in conjunction with the Department of Mathematics and Computer Science.

CHEMISTRY

The courses in Chemistry are designed to enable students to acquire a general knowledge of chemistry, to give a basic foundation to those students who plan to enter health related professions, and to work in industry or pursue advanced work in chemistry. The course work is supported by modern instrumentation including gas and liquid chromatographs, polarimeters, and NMR, UV, IR and other spectrophotometers. Computer simulations, instruction and tutorial programs are also used in several courses. Special research and academic enrichment programs are available to chemistry majors who qualify.

The major in chemistry requires a minimum of thirty-four credit hours consisting of Chemistry 141-142, 241-242, 341-342, 411-412, 431-432 and 420 or 422. In addition to these required courses, Physics 241-242 or 243-244, six (6) credits of Computer Science, and Mathematics 241-242 or higher mathematics courses are also required. In all of the above listed courses a minimum grade of "C" is required for graduation. A minor in chemistry requires a minimum of eighteen credit hours of chemistry courses which must begin with Chemistry 141-142. The above Physics listings are also required for the minor.

CHEMISTRY 141-142 General Chemistry **Four credit hours each**

A discussion of the fundamental principles of chemistry in relation to the physical and chemical properties of the metallic and nonmetallic elements and their compounds. Placement into a mathematics course at or above the 137 level is required. Three lectures and four hours of laboratory a week.

CHEMISTRY 241 Analytical Chemistry **Four credit hours**

The theory and practice of analytical measurements as applied to volumetric and gravimetric determinations. Prerequisite: Chemistry 142. Three lectures and four hours of laboratory a week.

CHEMISTRY 242 Instrumental Analysis **Four credit hours**

A discussion of the theoretical principles and applications of modern chemical instrumentation including spectroscopic, chromatographic and electrochemical techniques. Appropriate experiments to complement the discussion. Prerequisite: Chemistry 241 or consent of department. Three lectures and four hours of laboratory a week.

CHEMISTRY 313-314 Biochemistry Laboratory **One credit hour each**

Courses to accompany Chemistry 333-334. Four hours of laboratory a week.

CHEMISTRY 331 Inorganic Chemistry **Three credit hours**

A study of the theoretical and descriptive aspects of inorganic chemistry, emphasizing the relationships between atomic and molecular structure and chemical and physical properties. Prerequisite: Chemistry 241. Lecture three times a week.

CHEMISTRY 333-334 Biochemistry **Three credit hours each**

A study of the biochemical processes and molecular reactions occurring in living systems, including a study of carbohydrates, lipids, proteins, metabolic reactions and accompanying energy considerations. Prerequisites: Chemistry 342 and consent of the department. Lecture three hours a week.

CHEMISTRY 341-342 Organic Chemistry **Four credit hours each**

A study of the fundamental principles of Organic Chemistry as illustrated by reaction mechanisms and their products, functional group reactions and preparations, and syntheses of and within both aliphatic and aromatic systems. Prerequisite: Chemistry 142 with a grade of C or better. Three lectures and four hours of laboratory a week.

CHEMISTRY 411-412 Selected Experiments in Physical**Chemistry****One credit hour each**

Courses to accompany Chemistry 431-432. Four hours of laboratory a week.

CHEMISTRY 420 Chemistry Seminar**Two credit hours each**

Presentation and discussion of selected topics from the major areas of chemistry. Oral and written reports required. Prerequisite: consent of department. May be repeated for credit.

CHEMISTRY 422 Laboratory Projects in Chemistry**Two credit hours**

Advanced laboratory investigation designed to allow the student to become more actively involved in chemical research either by participating in faculty designed projects or by pursuing individual interests approved by the staff. Prerequisite: consent of the department. May be repeated for credit.

CHEMISTRY 430 Advanced Organic Chemistry**Three credit hours**

Topics of interest in theoretical and practical organic chemistry, including mechanisms, reactions and synthetic methods. Heterocyclic chemistry included. Prerequisite: Chemistry 342 with a grade of "C" or better.

CHEMISTRY 431-432 Physical Chemistry**Three credit hours each**

The principles of chemistry as applied to the properties and behavior of gases, liquids, solids and solutions. The basic principles of Thermodynamics, Quantum Mechanics, and Kinetics and their applications to chemical and biochemical systems. Prerequisites: Chemistry 241, Mathematics 241 and Physics 242 or 244.

PHYSICAL SCIENCE 141 Physical Science**Four credit hours**

A study of the physical universe, including physical, chemical, earth and astronomical aspects. A terminal course fulfilling general education requirements for non-science majors. Three hours of lecture and two hours of laboratory a week.

EXAMPLE CURRICULUM for CHEMISTRY MAJORS**Freshman Year**

	Credit		Credit
Fall Semester	Hours	Spring Semester	Hours
Chemistry 141	4	Chemistry 142	4
Mathematics 137	3	Mathematics 138	3
English 191	3	English 192	3
Foreign Language 131	3	Foreign Language 132	3
Freshman Orientation 120	<u>2</u>	Personal Hygiene 121	<u>2</u>
	15		15

Sophomore Year

Chemistry 241	4	Chemistry 242	4
Mathematics 241	4	Mathematics 242	4
English 231	3	English 232	3
Computer Sci.	3	Computer Sci.	3
Phys. Ed. Activity	<u>1</u>	Phys. Ed. Activity	<u>1</u>
	15		15

Junior Year

Chemistry 341	4	Chemistry 342	4
Physics 241 or 243	4	Physics 242 or 244	4
History 131	3	History 132	3
Biology 140 or 143	4	Soc. Sci. or Human. Req.	3
Chemistry 420 or 422	<u>2</u>	Soc. Sci. or Human. Req.	<u>3</u>
	17		17

Senior Year

Chemistry 431	3	Chemistry 432	3
Chemistry 411	1	Chemistry 412	1
Soc. Sci. or Human. Req.	3	Soc. Sci. or Human. Req.	3
Soc. Sci. or Human. Req.	3	Soc. Sci. or Human. Req.	3
Elective	3	Elective	3
Elective	<u>3</u>	Elective	<u>3</u>
	16		16

Recommended Electives:

Calculus III	Advanced Organic Chemistry
Differential Equations	Biochemistry
Computer Science Courses	Seminar

PHYSICS

The courses in the physics-mathematics major are designed to train those who plan to do graduate work in physics, to pursue a health profession, and to enter industry. Additionally, these courses are designed to provide a general knowledge in the modern fields of descriptive and quantitative experimental physics.

A major in physics-mathematics consists of a minimum of twenty-three credit hours of Physics and twenty-one credit hours of Mathematics. The physics requirements include 243, 244, 330 or 344, 331, 332, 431, and 432. The mathematics requirements include 241, 242, 333 or 334, 336, 341 and 434. In addition to the required courses in Physics and Mathematics, Chemistry 141 and 142 are also required. Courses in Computer Science are strongly recommended. In all of the above listed courses a minimum grade of C is required.

PHYSICS 241 General Physics	Four credit hours
Fundamental principles of physics in relation to classical mechanics, thermodynamics, vibrations and wave motions. Prerequisite: Mathematics 137. Three lectures and four hours of laboratory a week.	

- PHYSICS 242 General Physics** **Four credit hours**
A continuation of physics 241. Fundamental principles of physics in relation to electricity, magnetism, light, optics and modern physics. Prerequisite: Physics 241. Three lectures and four hours of laboratory a week.
- PHYSICS 243 Mechanics and Heat** **Four credit hours**
A study of vectors, statics, dynamics, fluid mechanics and heat. Prerequisite: Mathematics 241. Three lectures and four hours of laboratory a week.
- PHYSICS 244 Electrodynamics** **Four credit hours**
Electricity and magnetism. Topics treated in detailed manner. Prerequisite: Physics 243. Three lectures and four hours of laboratory a week.
- PHYSICS 330 Laboratory Electronics** **Three credit hours**
An introduction to basic principles of electronics, operation of electronic measuring devices, and construction of devices for electrical and electronic measurements. Prerequisite: Consent of department. One lecture and four hours of laboratory a week.
- PHYSICS 331 Introduction to Modern Physics I** **Three credit hours**
Elements of electricity and magnetism, the special theory of relatively, atomic particles, Bohr's theory, optical Spectra, and X-ray Spectra. Prerequisite: Physics 244. Lecture three hours a week.
- PHYSICS 332 Introduction to Modern Physics II** **Three credit hours**
Radioactivity, disintegration of nuclei, fission and fusion, nuclear processes, fundamental particles and accelerators. Prerequisite: Physics 331. Lecture three hours a week.
- PHYSICS 344 Waves and Optics** **Four credit hours**
A study of waves, acoustics and optics. Prerequisite: Physics 243. Three lectures and four hours of laboratory a week.
- PHYSICS 345 Biophysics** **Four credit hours**
Sound and the ear, light and the eye, microscopy, the physics of muscular contraction, electrocardiography and radiation physics. Biophysical techniques utilizing wave phenomena, nuclear phenomena, and mechanical and electrical phenomena. Prerequisite: Physics 241-242 and Biology 143. Three lectures and four hours of laboratory a week.
- PHYSICS 412 Physics Seminar** **One credit hour**
Prerequisite: Consent of the department.
- PHYSICS 431 Advanced Mechanics** **Three credit hours**
Kinematics, moving coordinate systems, motion of rigid body, central force problem, oscillations and coupled oscillators, Lagrange's and Hamilton's equations, generalized coordinates. Prerequisites: Physics 243 and Mathematics 341. Lecture three hours a week.
- PHYSICS 432 Advanced Electrodynamics** **Three credit hours**
Electromagnetic field theory, Maxwell's equation, electromagnetic radiations and relativistic effects. Prerequisites: Physics 244 and Mathematics 341. Lecture three hours a week.

EXAMPLE CURRICULUM FOR PHYSICS-MATHEMATICS
MAJORS

Freshman Year

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Chemistry 141	4	Chemistry 142	4
Mathematics 241	4	Mathematics 242	4
English 191	3	English 192	3
Foreign Language 131	3	Foreign Language 132	3
Freshman Orientation 120	<u>2</u>	Personal Hygiene 121	<u>2</u>
	16		16

Sophomore Year

Physics 243	4	Physics 244	4
Mathematics 341	4	Mathematics 434	3
English 231	3	English 232	3
Computer Science	3	Computer Science	3
Phys. Ed. Activity	<u>1</u>	Phys. Ed. Activity	<u>1</u>
	15		14

Junior Year

Physics 330	3	Physics 344	4
Physics 331	3	Physics 332	3
History 131	3	History 132	3
Biology 140 or 143	4	Soc. Sci. or Human. Req.	3
Mathematics 333	<u>3</u>	Mathematics 336	<u>3</u>
	16		16

Senior Year

Physics 431	3	Physics 432	3
Soc. Sci. or Human. Req.	3	Soc. Sci. or Human. Req.	3
Soc. Sci. or Human. Req.	3	Soc. Sci. or Human. Req.	3
Soc. Sci. or Human. Req.	3	Elective	3
Elective	<u>3</u>	Elective	<u>3</u>
	15		15

Recommended Electives:

Computer Science Courses
Biophysics
Math 430

Seminar
Math 432
Math 431

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

This department provides programs to prepare students for graduate and professional studies, and careers in industry and government. Also, the mathematics program provides a major track to prepare students to teach at the junior and senior high school levels.

MATHEMATICS

Majors in mathematics must take a set of core courses plus the courses in one of four major tracks. The core courses (required for all mathematics majors) are: Mathematics 241, 242, 333, 335, 336, 341, 416, 427, and 428, and Physics 243 and 244. A minimum of 53 semester hours is required for the mathematics major. Additional courses for the major must be selected from one of the following tracks:

- Track 1:** Graduate Study. Mathematics 430 or 431, 434, and 439.
- Track 2:** Teaching. Mathematics 330, 420, 426; Education 230, 231, 312, 321, 393, 432, and 492X; Psychology 237 and 239.
- Track 3:** Computer Science. Mathematics 434; Computer Science 231, 232, 330, 336, 341 or 342, and 432.
- Track 4:** Business Administration. Mathematics 334, 431, 434; Economics 231; Accounting 235, 236 and an additional six credit hours in one business administration concentration area or in economics. A minimum grade of C must be earned in any course which counts toward the major.

Prospective mathematics majors who do not have a sound and workable background in algebra and trigonometry may be required to take Mathematics 137 and Mathematics 138 as prerequisite courses.

Mathematics majors who select Track 2: Teaching are urged to complete all General Education, Core, and Track requirements except Education 432 and 492X by the end of their seventh semester. This may require these majors to attend one or more summer terms.

A minor in mathematics consists of at least eighteen credit hours of mathematics courses and must include Mathematics 241, 242, 333, and 336.

MATHEMATICS PLACEMENT

Students entering the University without college mathematics credit will normally enroll in Mathematics 131 unless advanced placement is granted. An advanced placement test is given each semester prior to registration. The performance on this test may allow the student to enroll in Mathematics 132 or a higher course. Students planning to major in chemistry, computer science, mathematics, physics-mathematics, or pre-engineering should take the advanced placement test.

MATHEMATICS 130 Fundamental Arithmetic and Algebra **Three credit hours**
 Review of arithmetic, geometry, and beginning algebra. This course does NOT provide credit toward graduation.

MATHEMATICS 131 Basic Mathematics I **Three credit hours**
 Algebra. Properties of real numbers, algebraic expressions, exponents, factoring, linear and quadratic equations, radicals, inequalities, systems of equations, and applications.

MATHEMATICS 132 Basic Mathematics II **Three credit hours**
 Finite mathematics. Sets, logic and counting techniques. Discrete probability, statistics, and matrices. Selected topics from number theory. Prerequisite: Mathematics 131 or by placement.

MATHEMATICS 136 Introductory Statistics **Three credit hours**
 Descriptive and inferential statistics. Frequency distributions, population and samples, measures of central tendencies and variation. Probability, normal, t, and chi distributions. Hypothesis testing, estimations and confidence intervals. Linear regression. Prerequisite: Mathematics 131 or by placement.

MATHEMATICS 137 Precalculus I **Three credit hours**
 Properties of real numbers, algebraic expressions, factoring, polynomials and rational fractions. Exponents and radicals, linear and quadratic equations, inequalities, progressions. The binomial theorem, polynomials and partial fractions. Matrices, determinant, and linear systems of equations. Exponential, and inverse functions. Prerequisite: Mathematics 131 or by placement. (Formerly Mathematics 143.)

MATHEMATICS 138 Precalculus II **Three credit hours**
 Exponential and logarithmic functions. Inverse relations and functions. Trigonometric functions and identities. Translation and rotation of axis. Conic sections. Complex numbers. Polynomials, combinatorics and mathematical induction. Prerequisite: Mathematics 137 or by placement. (Formerly mathematics 144)

MATHEMATICS 191 Honors Mathematics **Three credit hours**
 Sets, statements, relations and functions. Deductive logic, discrete number systems, polynomial algebra, graphs and combinatorics. Prerequisite: Mathematics 131 or by placement.

MATHEMATICS 210 Statistical Laboratory **One credit hour**
 Computer supported laboratory for courses in probability or statistics. Corequisite: Mathematics 136, 333 or consent of department.

MATHEMATICS 235 Introductory Calculus I **Three credit hours**
 Functions and graphs, concepts of limit and continuity. Derivative of polynomials and algebraic functions. Maxima and minima, and rate of change. Antidifferentiation. Derivative of exponential and logarithmic function. The definite integral and techniques of integration. Applications of calculus in the social and behavioral sciences. Prerequisite: Mathematics 137 or by placement. (Formerly Mathematics 145.)

- MATHEMATICS 236 Introductory Calculus II** **Three credit hours**
 Functions of two real variables. Partial derivatives maxima, minima and saddle points. Multiple integration. Infinite sequences and series. Discrete functions, difference equations, relations, graphs and trees. Counting techniques and discrete probability. Prerequisite: Mathematics 235.
- MATHEMATICS 241-242 Calculus I and II** **Four credit hours each**
 Plane analytic geometry, differentiation, and integration and applications. Prerequisite: Mathematics 138 or 235 or by placement.
- MATHEMATICS 330 Modern Geometry** **Three credit hours**
 Logical structure and use of Euclidean geometry. The relationship of Euclidean geometry to other geometries. Prerequisite: Mathematics 241 or consent of department.
- MATHEMATICS 333-334 Probability and Statistics** **Three credit hours**
 Elements of probability theory, mathematical statistics and applications. Prerequisite: Mathematics 242 for Part I and Mathematics 341 for part II.
- MATHEMATICS 335 Introductory Abstract Algebra** **Three credit hours**
 Elementary set theory and logic. Mappings, groups, rings, integral domains, fields, and polynomials. Prerequisite: Mathematics 241 or consent of department.
- MATHEMATICS 336 Introductory Linear Algebra** **Three credit hours**
 Systems of linear equations, vector spaces, linear transformations, theory and applications of matrices and determinants. Prerequisite: Mathematics 241 or consent of department.
- MATHEMATICS 337 Mathematics for Early Childhood-Intermediate School Teachers I** **Three credit hours**
 Sets, properties of whole numbers, fractions and integers. Metric system, geometric shapes, and measurements. Arithmetic algorithms. Prerequisite: Mathematics 132.
- MATHEMATICS 338 Mathematics for Early Childhood-Intermediate School Teachers II** **Three credit hours**
 Real numbers with emphasis on their properties, logic, relations and functions. Concepts of measure and the metric system. Intuitive geometry. Algorithms and innovative methods of teaching mathematics to students with a wide range of abilities. Prerequisite: Mathematics 337.
- MATHEMATICS 341 Calculus III** **Four credit hours**
 Three-dimensional analytic geometry, vector analysis, parametric equations, partial differentiation, multiple integration, and line integrals. Infinite sequences and series and power series. Prerequisite: Mathematics 242.
- MATHEMATICS 420 Materials and Methods in High School Mathematics** **Two credit hours**
 Modern methods and materials for teaching mathematics to high school students period Prerequisite: Mathematics 242, and 335 or 336.
- MATHEMATICS 423-424 Internship in Mathematics** **Two credit hours each**
 Laboratory approaches to teaching mathematics. Topics include uses of audio-visual aids, programmed materials, computer presented activities, and designing special activities to meet specific needs of students. Prerequisite: Junior or senior standing with a major or minor in mathematics.

MATHEMATICS 427-428 History and Foundations of Mathematics **Two credit hours each**

History of mathematics up to 1600 through creative problem solving. Set theory in the development of modern analysis algebra and geometry. Pioneers of mathematics beginning with Descartes. Prerequisite: Mathematics 242.

MATHEMATICS 430 Topics in Analysis **Three credit hours**

Euclidean spaces and metrics, concepts of compactness and connectedness. Continuous functions, uniform continuity, infinite sequences and series. Uniform convergence. Prerequisite: Mathematics 341 and 335.

MATHEMATICS 431-432 Advanced Calculus **Three credit hours each**

Functions of several variables, partial differentiation, vector analysis, multiple integration, power series. Applications in the physical sciences. Prerequisite: Mathematics 341.

MATHEMATICS 434 Elementary Differential Equations

Elementary techniques of solving ordinary differential equations. Applications in the biological and physical sciences. Prerequisite: 341.

MATHEMATICS 438 Biostatistics **Three credit hours**

Statistical analysis from a biological point of view. Topics include probability distributions, confidence intervals, estimation of population parameters, test of significance, analysis of a variance, correlation and regression. Prerequisite: Mathematics 235 or 241.

MATHEMATICS 439 Topics in Algebra

Topics on semi-groups and groups, rings, integral domains and finite fields. Modules over rings; vector spaces over fields. Prerequisite: Mathematics 335.

Readings in Mathematics

Qualified students in mathematics may take any of the courses listed below as individual independent study units. Under certain conditions, any of these courses may take the form of a regular class.

MATHEMATICS 315, 316 Independent study in Mathematics **One credit hour each**

Elementary mathematics concepts from an advanced view point. Topics will vary with student interests and career objectives. Prerequisite: By consent of Department.

MATHEMATICS 415, 416 Independent Study in Mathematics **One credit hour each**

Indepth study of areas of Mathematics consistent with student interest and career objectives. Written reports will be required. Prerequisite: Advanced standings and consent of department.

MATHEMATICS 422 Topics in Complex Variables **Two credit hours**

Algebra of complex numbers. Elementary functions and conformal representation. Prerequisite: Mathematics 341.

MATHEMATICS 426 Topics in Number Theory **Two credit hours**

Prime numbers and prime factorization, congruences and applications. Divisibility, theorems on integers, and diophantine equations. Prerequisite: Mathematics 335.

MATHEMATICS 461 PracticumSix credit hours

An opportunity for students, under supervision, to obtain work experience in applied mathematics. Prerequisites: Mathematics 333 and three credit hours of computer science.

SUGGESTED CURRICULUM GUIDE MATHEMATICS

Freshman Year

Fall Semester		Spring Semester	
Mathematics 137	3	Mathematics 138	3
English 191	3	English 192	3
Foreign Language	3	Foreign Language	3
Music 131	3	Art 231	3
Speech 131	3	Biology 140	4
Orientation 120	<u>2</u>	Health Ed 121	<u>2</u>
	17		18

Sophomore Year

Fall Semester		Spring Semester	
Mathematics 241	4	Mathematics 242	4
English 231	3	English 232	3
History 131	3	History 132	3
Track Selection	3	Track Selection	3
Social Science	3	Mathematics 336	3
Physical Ed(Activity)	<u>1</u>	Physical Ed(Activity)	<u>1</u>
	17		17

Junior Year

Fall Semester		Spring Semester	
Mathematics 341	4	Mathematics 335	3
Physics 243	4	Physics 244	4
Mathematics 333	3	Social Science	3
Mathematics 427	2	Mathematics 428	2
Track Selection	<u>3</u>	Track Selection	<u>3</u>
	16		15

Senior Year

Fall Semester		Spring Semester	
Electives	3	Electives	3
Track Selections	9	Track Selections	<u>12</u>
Religion/Philosophy	3		15
Mathematics 413	<u>1</u>		
	16		

COMPUTER SCIENCE

The use of modern information processing machines has become indispensable in solving problems in many areas vital to our well-being. Today, these machines are being used to help design and operate space vehicles, make financial transactions and management decisions, teach children reading and arithmetic, and to provide family entertainment.

The Computer Science Program at Johnson C. Smith University reflects the growth and potential of this industry. The program provides courses and activities designed to provide marketable knowledge and skills for successful careers in the information processing industry, and to provide a theory-oriented foundation for graduate work in information and computer science.

COMPUTER SCIENCE

A major in computer science consists of a set of core courses plus additional courses in one of two tracks. The core courses are: Computer Science 231, 232, 330, 331, 334, 336, and 438. A minimum of 55 semester hours is required for this major. Additional courses for the major must be selected from one of the following tracks:

- Track 1:** Computer Studies: Computer Science 333, 342, 421, 431; Physics 243, 244; Mathematics 241, 242, 136 or 333, and 336.
- Track 2:** Information Systems. Computer Science 235, 236, 341; Mathematics 136, 235, 236; Economics 231; Accounting 235, 236; Management 333; Marketing 331, and Banking and Finance 330. Any of the above courses that count toward the major must be passed with a minimum grade of C.

A minor in computer science consists of eighteen hours of computer science courses and must include Computer Science 231, 232, 330, and 334.

COMPUTER SCIENCE 131-132 Computer Concepts I, II Three credit hours each
Concepts, terminology and characteristics of modern information processing systems. Topics includes basic computer components and their functions, applications software. Data communications programming languages, language syntax and computer programming. Prerequisite: Mathematics 132.

COMPUTER SCIENCE 231-232 Computer Programming I, II Three credit hours each
Organization and characteristics of major components of digital computers. Memory organization and addressing techniques, digital representation of data and character codes. Symbolic coding. Syntax of a modern programming language. Design and representation of algorithms. Structured programming techniques. File organization. Computer processing of files and basic data structures. Prerequisite: Mathematics 137 or by consent.

COMPUTER SCIENCE 235-236 Commercial Data Processing I, II Three credit hours each

Detailed study of COBOL including advanced features. File processing and data base concepts. Program development in a database environment. Prerequisite: Mathematics 137.

COMPUTER SCIENCE 330 Systems Analysis and Design Three credit hours

Systems concepts, and tools. Software engineering approach to the analysis and design of systems to meet needs of the organization. Case studies. Prerequisites: Mathematics 236 or 241 and Computer Science 232 or 236.

COMPUTER SCIENCE 331 Introduction to Discrete Structures Three credit hours

Elements of set algebra. Partitions and counting techniques. Relation, functions and lattices. Boolean algebra. Graphs, trees, and grammars. Basic theory of groups and finite state machines. Applications of these structures in computer science. Prerequisite: Mathematics 235 or 241, and Computer Science 232.

COMPUTER SCIENCE 333 Computer Organization and Programming Three credit hours

Computer interconnection structures. Central processing unit, instruction format and execution. Memory organization and addressing techniques. Microprogrammed control, I/O programming and interrupt handling. Assembly language programming. Prerequisite: Computer Science 232.

COMPUTER SCIENCE 334 Introduction to Operating Systems Three credit hours

Brief history of operating systems. Major functions of modern operating systems including process management, input/output systems, memory management, file and data management. Practical experience with a widely used operating system. Prerequisite: Computer Science 232.

COMPUTER SCIENCE 336 Data Structures and Algorithms Three credit hours

Basic concepts of data. Linear list, arrays and strings. Representation of trees and graphs. Hashing, sorting and searching algorithms. Multi-linked structures, files, and storage allocation and collection. Prerequisite: Computer Science 331.

COMPUTER SCIENCE 337-338 Introduction to Programming Languages Three credit hours each

Fundamental characteristics, syntax and structure of several major programming languages. Formal specification of syntax, data types, operations, subroutine subprograms, statement types, and program structure. Run-time representation of programs and data. Program linkage and data transfer between programs. Prerequisite: Computer Science 232.

COMPUTER SCIENCE 341 Applications Programming I Four credit hours

Review of file processing techniques and systems concepts. Application of computer programming, systems analysis and systems design concepts to a comprehensive systems development project. Prerequisite: Computer Science 330.

COMPUTER SCIENCE 342 Applications Programming II Four credit hours

Programming of numeric and non-numeric algorithms for system simulation and performance measurement. Applications to digital communication network systems and distributive data base processing. Prerequisites: Mathematics 136 or 333, 336, and Computer Science 330.

COMPUTER SCIENCE 421-422 Introduction to Theory of Computing Two credit hours each

Fundamental concepts of automata theory. Finite state and Turing machines. Grammars and parsing techniques. Prerequisite: Mathematics 232 and 331.

COMPUTER SCIENCE 431 Computer Theory and Logic

Boolean algebra and applications. Design and functions of gates, flip-flops, registers and memory to perform operations on binary data. Microprocessor architecture, hardware modules and interfacing. Prerequisite: Computer Science 331, 333, and Physics 244.

COMPUTER SCIENCE 432 Numerical Methods Three credit hours

Algorithms and computer techniques for numerical solutions of problems in several areas including numerical integration and differentiation, systems of linear equations, zeros of functions and curve fitting. Round-off error analysis. Prerequisite: Mathematics 242, 336 and Computer Science 232.

COMPUTER SCIENCE 433 Computer Software Organization and design Three credit hours

Design and implementation of system software including assemblers, loaders, linkers, utilities, and language processors. Systems programming using the C language. Prerequisites: Computer Science 334 and 336.

COMPUTER SCIENCE 434 Introduction to Compilers Three credit hours

Grammars and language types. Organization of compilers. Development of algorithms for lexical scanning and recognizers using the C programming. Symbol tables and code generation. Run-time storage organization, error recovery and diagnostics. Prerequisite: Computer Science 433.

COMPUTER SCIENCE 438 Database Processing Three credit hours

Files and data structures for the database environment. Logical and physical organization of databases. Data models and query languages. Concepts of normal forms, data independences, security, integrity, and concurrency. Prerequisites: Computer Science 330, and 336.

COMPUTER SCIENCE 460 Practicum Six credit hours

An opportunity for students, under supervision, to obtain work experience in applied mathematics and computer science. Prerequisites: Mathematics 136, 236 and Computer Science 330.

SUGGESTED CURRICULUM GUIDE
INFORMATION SYSTEMS

Freshman Year

Fall Semester		Spring Semester	
Mathematics 137	3	Mathematics 136	3
English 191	3	English 192	3
Orientation 121	2	Health Ed 121	2
Physical Ed(Activity)	1	Physical Ed(Activity)	1
Foreign Language	3	Foreign Language	3
Biology 140	<u>4</u>	Music 131	<u>3</u>
	16		15

Sophomore Year

Fall Semester		Spring Semester	
Mathematics 235	3	Mathematics 236	3
English 231	3	English 232	3
Computer Science 231	3	Computer Science 232	3
Computer Science 235	3	Computer Science 236	3
Physical Science 141	<u>4</u>	Economics 231	<u>3</u>
	16		15

Junior Year

Fall Semester		Spring Semester	
Computer Science 330	3	Computer Science 341	4
Computer Science 331	3	Computer Science 336	3
Accounting 235	3	Computer Science 334	3
History 131	3	History 132	3
Art 231	<u>3</u>	Accounting 236	<u>3</u>
	15		16

Senior Year

Fall Semester		Spring Semester	
Management 333	3	Marketing 331	3
Religion/Philosophy	3	Computer Science 438	3
Social Science	3	Banking and Finance 330	3
Speech 131	3	Electives	<u>6</u>
Electives	<u>3</u>		15
	15		

SUGGESTED CURRICULUM COMPUTER STUDIES

Freshman Year

Fall Semester		Spring Semester	
Mathematics 137	3	Mathematics 138	3
English 191	3	English 192	3
Speech 131	3	Art 231	3
Orientation 120	2	Health Ed 121	2
Physical Ed(Activity)	1	Physical Ed(Activity)	1
Music 131	<u>3</u>	Biology 140	<u>4</u>
	15		16

Sophomore Year

Fall Semester		Spring Semester	
Mathematics 241	4	Mathematics 242	4
Computer Science 231	3	Computer Science 232	3
English 231	3	English 232	3
Foreign Language	3	Foreign Language	3
Social Science	<u>3</u>	Mathematics 336	<u>3</u>
	16		16

Junior Year

Fall Semester		Spring Semester	
Computer Science 330	3	Computer Science 342	4
Computer Science 331	3	Computer Science 336	3
Mathematics 333	3	Computer Science 334	3
Physics 243	4	Physics 244	4
History 131	<u>3</u>	History 132	<u>3</u>
	16		17

Senior Year

Fall Semester		Spring Semester	
Computer Science 431	3	Computer Science 438	3
Religion/Philosophy	3	Social Science	3
Electives	<u>9</u>	Electives	<u>9</u>
	15		15

PREPROFESSIONAL OPPORTUNITIES IN THE SCIENCE DIVISION

Premedical and Predental Programs

All courses required for preparation for medical and dental school are offered at Johnson C. Smith University. A student may major in any area of study, but the Health Careers Committee recommends a major in biology or chemistry. The following courses are required for admittance to most medical schools: biology, two semesters; chemistry (general and organic), four semesters; physics, two semesters. Other specific courses are required by some medical schools. Academic advisors and Health Careers Committee will aid students in arranging their programs.

Students who complete general education requirements and who are accepted into a medical or dental school at the end of the junior year are eligible to receive the B.S. degree from Johnson C. Smith University upon the successful completion of the freshman year at the medical or dental school.

PRE-PHARMACY

Johnson C. Smith University and Howard University of Washington, DC, offer a joint program in Pharmacy. A student may pursue a Bachelor of Science degree in either Biology or Chemistry over a three year period at Johnson C. Smith and then transfer to Howard University School of Pharmacy to complete the pharmacy training. Upon successful completion of the first year at Howard, the student will receive a Bachelor of Science degree from Johnson C. Smith and continue on for either a Bachelor of Science in Pharmacy or Doctor of Pharmacy at Howard. This course of study, depending upon the student's entering qualifications and placements, may also require academic work for one summer.

Biology/Pre-pharmacy

In addition to the general education courses required for this particular BS degree from Johnson C. Smith, the requirements also include Biology 143, 144, 411 and 412 plus 8 credits of biology courses above the 100 level chosen from the following: 241, 242, 331, 340, 343, 354 and 442. In support of this Pre-pharmacy opportunity eight credits of General Chemistry, eight credits of Organic Chemistry and eight credits of Physics are also required. A specific requirement of the pharmacy school is one semester (4 credits) of Calculus.

Chemistry/Pre-pharmacy

In addition to the general education courses required for this particular BS degree from Johnson C. Smith, the requirements also include Chemistry 141-2, 241-2, 341-2, 411 and 431. In support of this Pre-pharmacy opportunity, Biology 143, eight credits of Physics, eight credits of Calculus and 6 credits of Computer Science are also required.

For descriptions of the courses mentioned above, consult the appropriate departmental offerings. Example curricula for both of the Pre-pharmacy opportunities follow.

JOHNSON C. SMITH - HOWARD
BIOLOGY - PHARMACY

YEAR 1

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Biology 143	4	Biology 144	4
Mathematics 137	3	Mathematics 138	3
English 191	3	English 192	3
Foreign Language	3	Foreign Language	3
Freshman Orientation 120	2	Soc Studies or Human Req	<u>3</u>
Physical Education (Activity)	<u>1</u>		16
	16		

YEAR 2

Chemistry 141	4	Chemistry 142	4
Mathematics 241	4	Soc Studies or Human Req	3
English 231	3	English 232	3
Biology major course	4	Biology major course	4
Personal Hygiene	<u>2</u>	Soc Studies or Human Req	<u>3</u>
	17		17

YEAR 3

Chemistry 341	4	Chemistry 342	4
Physics 241	4	Physics 242	4
Biology 411	1	Biology 412	1
Soc Studies or Human Req	6	Soc Studies or Human Req	<u>9</u>
Physical Education (Activity)	<u>1</u>		18
	16		

JOHNSON C. SMITH - HOWARD CHEMISTRY - PHARMACY

YEAR 1

Fall Semester	Credit Hours	Spring Semester	Credit Hours
Chemistry 141	4	Chemistry 142	4
Mathematics 241	4	Mathematics 242	4
English 191	3	English 192	3
Foreign Language 131	3	Foreign Language 132	3
Freshman Orientation 120	<u>2</u>	Personal Hygiene 121	<u>2</u>
	16		16

YEAR 2

Chemistry 241	4	Chemistry 242	4
Physics 241 or 243	4	Physics 242 or 244	4
English 231	3	English 232	3
Computer Science	3	Computer Science	3
Physical Education (Activity)	<u>1</u>	Physical Education (Activity)	<u>1</u>
	15		15

YEAR 3

Chemistry 341	4	Chemistry 342	4
Chemistry 431	3	Soc Studies or Human Req	<u>12</u>
Biology 143	4		16
Soc Studies or Human Req	6		
Chemistry 411	<u>1</u>		
	18		

Pre-Engineering

The Pre-Engineering curriculum at Johnson C. Smith University is designed to provide the student with the proper tools for pursuing an engineering career. A student with a strong background in Mathematics may complete a three-year curriculum at JCSU with a concentration in Mathematics which parallels the first two years of an engineering program at most four-year schools. On transfer to an engineering school the student should be able to complete the final two years with a normal course load, after verification by that school of the applicability of the JCSU credits towards its own degree requirements. Conversely, approved credits earned at that school will be applied by JCSU towards its requirements for a Bachelor or Science degree in Mathematics, so that the student will have earned two B.S. degrees, one from each institution.

Currently, Johnson C. Smith University collaborates with the College of Engineering at the University of North Carolina at Charlotte in offering a joint five year program in civil, electrical, and mechanical engineering. The student remains registered at JCSU through the third year while enrolling in some courses at UNCC. In the final two years the student is registered at UNCC. Suggested curricular guides are listed below:

ENGR 1100 (EGR 110) Introduction to Engineering (One credit hour)
Introduction to engineering as an area of study and as a career; engineering morality and public responsibility; professional development and professional registration.

Though this is a UNCC course, a section may be offered on the JCSU campus in the Spring semester if there is sufficient demand. For pre-registration purposes JCSU uses the designation EGR 110.

For a description of other UNCC courses, identified by four letters and numbers, see the UNCC catalog.

**UNCC-JOHNSON C. SMITH
PRE-ENGINEERING**

1st Semester		2nd Semester	
Math 241 (Calculus I)	4	Math 242 (Calculus II)	4
Chem 141 (Gen. Chem.)	4	Chem (Gen. Chem. II)	4
Eng 191 (Composition I)	3	Eng 192 (Composition II)	3
Foreign Language 131	3	Foreign Language 132	3
Freshman Orientation 120	<u>2</u>	P.E. 121 (Hygiene)	2
	16	ENGR 1100 (Intro to Engr.)	<u>1</u>
			17

Summer Session

Biology 140	4
History 131	3
P.E. (Activity)	<u>1</u>
	8

3rd Semester		4th Semester	
Math 341 (Calculus III)	3	Math 434 (Diff. Eq.)	3
Phy 243 (Mechanics)	4	Phy 244 (Elec. Magnetics)	4
Eng 231 (World Lit)	3	Speech 131 (Fundamentals)	3
Gen Psy 131	3	Eng 232 (World Lit)	3
CSC 231 (Computer Prog.)	3	Music 131	3
P.E. (Activity)	<u>1</u>	Computer Prog. or	
	17	Graphics (see note)	<u>2</u>
			18

Note: Select CEGR 1102, EEGR 1102, or MEGR 1102 at UNCC as appropriate; CSC 232 (3 credits) may be an acceptable alternative in certain cases.

UNCC-JOHNSON C. SMITH CIVIL ENGINEERING

5th Semester		6th Semester	
ECO 231 (Prin. of Econ)	3	Phy 331 (Modern)	3
MAT 333 (Prob. & Stat.)	3	MAT 336 (Linear Algebra)	3
ESGR 2141 (Engr. Mech. I)	3	ESGR 3141 (Solid Mech.)	3
CEGR 2101 (Engr. Drawing)	2	ESGR 2142 (Engr. Mech. II)	3
EEGR 2161 (Basic EEL)	<u>3</u>	CEGR 2152 (Meas. Lab)	<u>3</u>
	14		15
7th Semester		8th Semester	
MEGR 3114 (Fluid Mech.)	3	MEGR 3111 (Thermo I)	3
CEGR 3121 (Structures)	3	CEGR 3152 (Transport Lab)	2
CEGR 3141 (Environmental)	3	Technical Elective	3
CEGR 3151 (Environment Lab)	2	Technical Elective	3
CEGR 3161 (Transportation)	<u>3</u>	Lab	<u>3</u>
	14		14
9th Semester		10th Semester	
CEGR 3221 (Steel Design)	3	CEGR 3252 (Geotech Lab)	2
CEGR 3225 (Concrete Design)	3	CEGR 3272 (Sys. & Dsgn3)	3
CEGR 3251 (Concrete Lab)	2	CEGR XXXX (Dept Elective)	3
CEGR 3268 (Geotechnical)	3	Technical Elective	3
CEGR 3271 (Sys. & Dsgn)	<u>3</u>	Technical Elective	<u>1</u>
	14		12

UNCC-JOHNSON C. SMITH ELECTRICAL ENGINEERING

5th Semester		6th Semester	
ECO 231 (Prin. of Econ.)	3	Phy 331 (Modern)	3
MAT 333 (Prob. & Stat.)	3	MAT 336 (Linear Algebra)	3
EEGR 2111 (Net. Theory I)	3	EEGR 2112 (Network Theory)	3
EEGR 2101 (Comp. Lang. I)	2	EEGR 2152 (Lab I)	2
EEGR 2181 (Dig. Logic)	<u>3</u>	ESGR 2143 (Stat. & Strength)	<u>3</u>
	14		14
7th Semester		8th Semester	
EEGR 3111 (Sys. Anal. I)	3	EEGR 3112 (Sys. Anal. II)	3
EEGR 3151 (Lab II)	2	EEGR 3152 (Lab III)	2
EEGR 3101 (Comp. Appl.)	3	EEGR 3142 (Elec. Mag. Dev.)	3
EEGR 3121 (Elec. Magnetics)	3	EEGR 3132 (Electronics)	3
EEGR 3131 (Elec. & Semicon.)	3	EEGR 3122 (Elec. Mag. Waves)	3
EEGR 3199 (Prof. Devel)	<u>0</u>	EEGR 3199 (Prof. Devel.)	<u>0</u>
	14		14
9th Semester		10th Semester	
EEGR 4111 (Control Sys. I)	3	EEGR 4112 (Control Sys. II)	3
EEGR 3251 (Sen. Design I)	2	EEGR 3252 (Sen. Design II)	3
EEGR 4XXX	3	MEGR 3111 (Thermo I)	3
Technical Elective	3	Technical Elective	3
Technical Elective	3	Technical Elective	3
EEGR 3199 (Prof. Dev.)	<u>0</u>	EEGR 3199 (Prof Devel.)	<u>1</u>
	14		16

UNCC-JOHNSON C. SMITH
MECHANICAL ENGINEERING

5th Semester		6th Semester	
ECO 231 (Prin. of Econ.)	3	Phy 331 (Modern)	3
MAT 333 (Prob. & Stat.)	3	MAT 336 (Linear Algebra)	3
EEGR 2161 (Basic EE I)	3	ESGR 2142 (Engr. Mech II)	3
MEGR 2101 (Comp. Applic.)	2	EEGR 2162 (Basic EE II)	3
ESGR 2141 (Engr. Mech I)	<u>3</u>	MEGR 2154 (Lab I)	<u>2</u>
	14		14
7th Semester		8th Semester	
MEGR 3111 (Thermo I)	3	MEGR 3112 (Thermo II)	3
MEGR 3122 (Anal. & Synth.)	3	MEGR 3123 (Mech. Sys.)	3
MEGR 3153 (Lab II)	2	MEGR 3154 (Lab. III)	2
ESGR 3141 (Solid Mech.)	3	MEGR 3114 (Fluid Mech.)	3
MEGR 3161 (Materials)	<u>3</u>	ENGL 2116 (Tech. Comm.)	<u>3</u>
	14		14
9th Semester		10th Semester	
MEGR 4121 (Mach. Anal. & Design)	3	MEGR or ESGR XXXX	
MEGR 3253 (Sr. Design I)	2	(Elective)	3
MEGR 4111 (Heat Transfer)	3	MEGR 3299 (Prof. Dev.)	1
Technical Elective	3	MEGR 3254 (Sr. Design II)	3
Technical Elective	3	Technical Elective	3
MEGR 3299 (Prof. Dev.)	<u>0</u>	Technical Elective	<u>3</u>
	14		13

MILITARY SCIENCE AREA (ARMY ROTC)

Johnson C. Smith University offers Army Reserve Officers' Training Corps (ROTC) in cooperation with UNC-Charlotte within terms of the existing agreements between schools of the Charlotte Area Educational Consortium.

Students at Johnson C. Smith University may elect to participate in the Army Reserve Officers' Training Corps (ROTC) area as part of their academic curriculum. Students successfully completing the Military Science curriculum will receive 19 credit hours applicable toward general elective requirements and will be commissioned second lieutenants in the Regular Army, Army Reserve or National Guard. Students will normally enroll in a military science course or activity each semester.

Army ROTC is a four-year area consisting of the Basic Course (freshman and sophomore years) and the Advanced Course (junior and senior years). No military commitment is incurred for participation in the Basic Course. ROTC is open to both men and women.

Eligibility for admission into the Advanced Course is on the basis of demonstrated officer potential and a physical examination. Members of the Reserve Components, honorably discharged veterans and students with a ROTC background may be eligible for placement into the Advanced Course provided they are otherwise fully qualified.

Transfer students with two or more years remaining toward degree completion may also qualify for direct entry into the Advanced Course by participation in paid summer training. Advanced Course students attend a paid six-week summer camp prior to commissioning.

All students enrolled in the Advanced Course receive tax-free subsistence allowance of \$100 per academic month. One, two, and three-year scholarships are awarded on a competitive basis. Scholarships pay the full cost of tuition, textbooks and lab fees as well as the monthly subsistence allowance. All uniforms and textbooks for ROTC instruction are provided at no cost to the student. The ROTC student body is organized as a corps of cadets, which sponsors several social and professional enrichment activities such as the: ROTC Honor Guard, Scabbard and Blade Society (A national military fraternity), the RAIDERS (a commando oriented organization) and the Cadet Association.

COURSE DESCRIPTIONS

Courses for Undergraduates

- MS 1101** Basic Course I. (1) Introduction to ROTC and the U.S. Army including the rationale of the national defense structure and the mission and role of the Army. Introduction to modern theories of leadership and their application to today's environment. One lecture hour per week offered in the fall and spring semester.
- MS 1102** Basic Leadership Laboratory I. (1) Practical work in basic military skills and physical ability development. Introduction to land navigation, drill and ceremony, communications, and the Army's standard individual weapons with emphasis upon team work and confidence building through participation in leadership activities. Three laboratory hours per week offered in the fall and spring semester.
- MS 2101** Basic Course II. (2) Introduction to map reading techniques, small unit tactics and the role of the junior officer in troop leading. First aid in a tactical environment will be surveyed. Three lecture hours per week offered in the fall and spring semester.
- MS 2102** Basic Leadership Laboratory II. (1) Emphasis upon developing proficiency in basic military skills with students assuming leadership roles when the class functions as a military unit. Assertive, confident leadership through knowledge and practice will be stressed. Three laboratory hours per week offered in the fall and spring semester.
- MS 3101** Advanced Course I. (3) Prerequisite: Basic Course or consent of the professor of military science. Introduction to the advanced ROTC area and an examination of branches of the Army, military teaching principles, management and small unit tactics, including refresher and advanced training in communications, drill and ceremonies, land navigation and physical fitness. Students must be successfully pursuing a commission in the Regular Army, Army Reserve or Army National Guard. Three lecture hours per week offered only in the fall semester.

- MS 3102** Advanced Course II. (3) Prerequisite: MS 3101 or consent of the professor of military science. Designed specifically to prepare cadets for attendance at advanced camp with emphasis on mastering skills necessary to operate and maintain military equipment and developing self-confidence. Three lecture hours per week offered only in the spring semester.
- MS 3103** Advanced Leadership Laboratory I. (1) Prerequisite: MS 3101 or consent of the professor of military science. Practical application and additional development of military skills and leadership principles with emphasis on mastery of all previous military skills with much of the training being performance oriented. Students develop their leadership by rotating through various leadership positions during the conduct of their training. Three laboratory hours per week offered only in the spring semester.
- MS 3201** Advanced Course III. (3) Prerequisite: MS 3102. Examination of staff organization procedures and purpose including a detailed analysis of the total Army concept (Regular Army, Army Reserve, National Guard). Practical application of military briefing techniques and examination of the relationship of the Army officer and society through a survey of military history. Three lecture hours per week offered in the fall semester only.
- MS 3203** Advanced Leadership Laboratory II. (1) Prerequisite: MS 3201. Extensive practical work in military planning and instructional techniques with special emphasis upon development of applied leadership skills necessary as a commissioned officer. Three laboratory hours per week offered only in the spring semester.

QUICK REFERENCE DIRECTORY

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Faculty 1987-88

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- Fidelis S. E. Akagha (1987) Associate Professor of Economics
B.A. 1972, Lincoln University, Mo
M.A. 1973, Central Missouri State University
Ph.D. 1980, University of New Mexico
- Linda Albright (1984) Instructor
Library Acquisitions
A.B. 1977, Lincoln University, PA
M.A. 1981, George Mason University
- Richard Alexander (1987).....Assistant Professor of
Mathematics and Computer Science
B.A. 1948, Brooklyn College
M.S. 1949, NYU - Curran Institute
- Eleanor Allison (1987)Instructor of
Mathematics and Computer Science
B.S. 1943, Western Carolina University
M.S. 1954, Auburn University
- Shirley G. Anderson (1972)..... Associate Professor of Psychology
Division Chairperson
B.A. 1966, Alma College
M.Ed. 1970, University of North Carolina
Ph.D. 1972, University of North Carolina
- Winifred Austin (1987)Assistant Professor of
Health and Physical Education
B.S. 1967, The King's College
M.S. 1969, State University College - Brockport
Ph.D. 1977, University of Toledo
M.P.H. 1984, New York University
- Nigel M. Ayton (1962) Associate Professor of Foreign Languages
A.B. 1956, Howard University
M.Ed. 1962, University of North Carolina
- Patricia Brown (1985)Assistant Professor of English
B.A. 1978, Louisiana State University
M.A. 1981, Louisiana State University
- Helen T. Caldwell (1975)Instructor of Sociology
and Social Welfare
B.A. 1973, Jackson State University
M.S.W. 1974, Rutgers University

Anthony Camele (1987)..... Professor of Philosophy
Department of English

B.A. 1964, Aquinas Institute
M.A. 1965, Aquinas Institute
Ph.D. 1972, Marquette University

Charles Kuang-Huei Chen (1984)... Assistant Professor of Computer
and Information Science

B.S. 1969, National Chen-Kung University
M.S. 1972, National Chen-Kung University
M.S. 1984, New Jersey Institute of Technology

Baldeo Kumar Chopra (1973) Professor of Biology
Division Chairperson

B.S. 1960, Benares Hindu University
M.S. 1962, Benares Hindu University
Ph.D. 1968, Auburn University

Charles F. Cicciarella (1987) Assistant Professor of
Health and Physical Education

A.B. 1973, Northeastern University
M.S. 1971, Northeastern University
Ed.D. 1982, Boston University

Thomas Collins, Jr. (1975)..... Assistant Professor of Mathematics

B.S. 1964, Johnson C. Smith University
M.A.T. 1972, Purdue University

Charlotte D'Armond (1983)..... Assistant Professor of
Communication Arts

A.A. 1975, Lees McRae College
B.A. 1977, Carson-Newman College
M.A. 1980, Louisiana State University
M.L.S. 1981, Louisiana State University
Ph.D. 1984, Louisiana State University

Juanita R. Davidson (1972)..... Instructor of Social Welfare
and Social Work

B.A. 1957, Dillard University
M.S.W. 1959, Atlanta University

Phyllis Worthy Dawkins (1981)..... Associate Professor
Physical Education
Department Head

B.S. 1975, Johnson C. Smith University
M.A. 1976, University of Michigan
Ph.D. 1984, The Ohio State University

Jesse Dent (1983)..... Assistant Professor of Political Science
 B.A. 1976, University of Maryland
 M.A. 1979, University of North Carolina

N.V. Desai (1969)..... Assistant Professor of Economics
 B.A. 1963, Sardar Patel University
 M.A. 1965, Maharaja Sayajirao
 M.E. 1969, North Carolina State University

Benjamin A. Dias (1978)..... Associate Professor of Chemistry
 B.S. 1969, Interamerican University
 M.S. 1975, Atlanta University
 D.A. 1980, Atlanta University

Ossibelle Dixon (1957).....Instructor of Physical Education
 A.B. 1951, Shaw University
 M.S. 1957, North Carolina Central University

Spencer E. Durante, Sr.(1976-PT).....Professor of Education
 B.S. 1939, Shaw University
 M.S. 1943, University of Pennsylvania
 Ed.D. 1956, University of Pennsylvania

Gloria M. Duval (1984)..... Assistant Professor of Education
 and Vice President for Development
 B.A. 1971, Paine College
 M.A. 1973, American University
 Ed.D. 1982, Western Michigan University

Linette Fox (1987).....Assistant Professor of
 Economics and Business Administration
 B.A. 1971, Bennett College
 M.B.A. 1979, University of North Carolina - Greensboro

Bessie Gage (1977)..... Instructor of Early Childhood Education
 (on leave)
 B.S. 1973, South Carolina State College
 M.S. 1977, Atlanta University

Boyd J. Gatherright (1948) Associate Professor of Mathematics
 B.S. 1946, Knoxville College
 M.S. 1948, State University of Iowa
 C.A.S. 1974, Wesleyan University (Certificate of Advanced Study)

William W. Goodson, Jr. (1984) Instructor
 Media Coordinator
 B.A. 1974, Western Carolina University
 M.A. 1975, Western Carolina University

Indhmathi Gopal* (1988)Instructor of
Biology

B.S. 1968, University of Madras - India
M.S. 1969, University of Madras - India
M.S. 1971, University of Michigan

Duncan Gray (1986).....Instructor of
Music

B.S. 1979, Winston-Salem State University
M.A. 1981, North Carolina Central University

Ruth L. Greene (1979).....Professor of Psychology

B.S. 1970, Morgan State University
M.A. 1972, Michigan State University
Ed.D. 1975, University of Massachusetts

Thurman N. Guy (1979) Instructor of Early Childhood Education

B.S. 1976, North Carolina A & T State University
M.A. 1978, North Carolina A & T State University
M.A. 1979, University of Wisconsin - LaCrosse
Ed.D. 1987, University of North Dakota

Paul H. Hailey (1975).....Assistant Professor of English

B.A. 1957, Johnson C. Smith University
M.A. 1972, North Carolina Central University

Eugene Hermitte (1973)..... Associate Professor of History
Department Head

A.B. 1966, Stanford University
Ph.D. 1974, Northwestern University

Joyce C. Hicks (1984) Assistant Professor of Economics
and Business Administration (On Leave)

B.A. 1970, Johnson C. Smith University
M.P.A. 1979, University of Colorado
J.D. 1982, University of Denver

Deanna S. Highe (1982)..... Instructor of English

B.A. 1971, Morgan State University
M.A. 1980, Oakland University

Ruben Hines (1976) Instructor of History

B.A. 1972, Fayetteville State University
M.A. 1973, North Carolina Central University

Daniel Hoffman (1984)Associate Professor of Political Science

B.A. 1963, University of Chicago
L.L.B. 1966, Harvard University
Ph.D. 1977, Massachusetts Institute of Technology

Nay Howell (1983)..... Instructor of Urban Studies
(On Leave)

B.A. 1975, Eckerd College
J.D. 1979, University of North Carolina

Ernest L. James (1967).....Instructor of Communication Arts
B.A. 1956, Johnson C. Smith University
M.A. 1974, North Carolina A & T University

Rosalyn J. Jones (1976)Assistant Professor of English
B.A. 1974, Shaw University
M.A.T. 1975, Duke University
D.A. 1983, Middle Tennessee State

George A. Kelley, Jr. (1987)Instructor of
Health and Physical Education
B.S. 1980, Boise State University
M.S. 1981, Washington State University

Christopher W. Kemp (1947).....Professor of Music
Department Head
B.S. 1944, Hampton Institute
M.M. 1947, University of Michigan

Michael Kidda (1985) Assistant Professor of Psychology
Department Head
B.A. 1969, Centenary College
M.Div. 1972, The University of the South
M.S. 1984, University of Georgia

Jerry Kolo (1986)Assistant Professor of
Urban Studies
B.A. 1978, University of Nigeria
M.Sc. 1980, University of JOS
Ph.D. 1986, University of Waterloo

Albert Kreiling (1983)....Associate Professor of Communication Arts
Department Head
B.S. 1965, Northwestern University
M.S. 1967, University of Illinois
Ph.D. 1973, University of Illinois

Vicki L. Lamb (1984).....Instructor of Sociology and Social Work
B.S. 1974, Campbell University
M.S. 1980, Virginia Polytechnic Institute and State University

Antonia Lassaletta (1985).....Assistant Professor of
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B.A. 1958, College of the Sacred Heart
M.A. 1964, Middleburg College

James R. Law (1949)Professor of Psychology and
Vice President for Academic Affairs
B.A. 1947, Lincoln University, PA
M.A. 1949, New York University
Ph.D. 1967, Duke University

Bessie H. Ledbetter (1967)Assistant Professor of English
 B.A. 1956, Benedict College
 M.A. 1966, Northwestern University

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 Curriculum Materials, Library
 B.S. 1948, Johnson C. Smith University
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 M.S. 1961, Pennsylvania State University

Charles Love (1986)Instructor of
 Education, Interim Department Chair
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 Ed. S 1983, Appalachian State University

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Francine G. Madrey (1984)..... Assistant Professor of Education
 and Vice President for Student Affairs
 B.S. 1971, University of Tennessee
 M.S. 1976, Memphis State University
 Ph.D. 1982, Ohio State University

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 English
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 Ph.D. 1986, Wayne State University

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 Biology
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 M.S. 1960, South Carolina State College
 M.S. 1969, University of South Carolina
 Ph.D. 1971, University of South Carolina

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B.A. 1965, Johnson C. Smith University
M.A. 1969, University of North Carolina
Ph.D. 1983, Emory University

Sunday Ndoh (1985) Assistant Professor of Economics
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B.S. 1976, University of Maryland
M.A. 1979, Howard University
Ph.D. 1985, Howard University

Vietta M. Neal (1947) Associate Professor of Chemistry and
Associate Vice President for Academic Affairs

A.B. 1941, Texas College
A.M. 1952, University of Michigan

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B.S. 1953, University of Illinois
M.B.A. 1962, Tulane University
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Ph.D. 1942, The Ohio State University

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B.S. 1958, Annamalai University
M.S. 1962, Annamalai University
Ph.D. 1966, Annamalai University

Rufus G. Pettis (1965) Professor of Mathematics

B.S. 1958, Benedict College
M.S. 1963, Atlanta University
Ed.D. 1969, Oklahoma State University

Thomas B. Priest (1983) Assistant Professor of Sociology/
Social Work
Department Head

B.A. 1968, West Chester State College
M.A. 1971, University of Delaware
Ph.D. 1979, University of Iowa

P.T. Radcliffe (1982)..... Associate Professor of Foreign Languages
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A.B. 1969, Morgan State College

M.A. 1969, University of New Mexico

Ph.D. 1974, University of Wisconsin - Madison

Kaleswar Rao (1987)Instructor of
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B.E. 1979, Osmania University

M.B.A. 1980, Osmania University

M.S. 1986, East Texas State University

Richard K. Rhodes (1986)Assistant Professor of
Biology

B.S. 1970, Davidson College

Ph.D. 1974, Emory University

Charles D. Rogers (1972) Assistant Professor of Communication
Arts

B.F.A. 1964, California State University

M.A. 1971, Ohio State University

M.F.A. 1977, University of North Carolina - Greensboro

Henry F. Russell (1979) Associate Professor of Chemistry
Department Head

B.S. 1963, University of Delaware

M.S. 1965, University of Delaware

Ph.D. 1973, University of Virginia

Mildred Sanders (1962) Instructor
Technical Services

A.B. 1945, Johnson C. Smith University

M.S.L.S. 1970, University of North Carolina

Allen B. Saxe (1985).....Instructor of History and Political
Science and Urban Studies

B.S. 1966, University of Wisconsin

M.A. 1969, Brandeis University

Moses Sharpe (1962).....Adjunct Instructor of Physical Education
B.S. 1961, Johnson C. University

Steve L. Summerford (1987)..... Instructor
Reference Librarian

B.A. 1975, University of North Carolina

M.L.S. 1986, North Carolina Central University

Marilyn Sutton-Haywood (1985)Assistant Professor of Biology
Department Head

B.S. 1975, North Carolina Central University

M.S. 1977, Atlanta University

Ph.D. 1980, Atlanta University

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B.A. 1961, Annamalai University
M.S. 1963, Annamalai University
B.S. 1981, University of North Carolina - Charlotte
C.P.A. 1982, North Carolina

Bandeale Akin Thomas* (1988).....Instructor of
History

B.A. 1969, University of Ibadan
M.A. 1979, Texas Southern University
M.Ed. 1985, University of Houston

Jackie Thomas (1987)Instructor of
English

B.A. 1983, Alabama A & M University
M.E. 1984, Virginia State University

Percial M. Thomas (1975) Associate Professor of History
Division Chairperson

B.A. 1954, Virginia Theological Seminary and College
B.A. 1958, Virginia Union University
M.A. 1962, Teachers College, Columbia University
Ph.D. 1979, The University of Virginia

Joseph W. Turner (1976)..... Associate Professor of English
Department Head

B.A. 1972, Davidson College
M.A. 1975, Emory University
Ph.D. 1976, Emory University

Bettye C. Walker (1967)..... Instructor of Music

B.A. 1962, Talladega College
M.A. 1967, University of Iowa

Shirley Wilkins (1977) Assistant Professor
Director of the Library

B.S. 1957, South Carolina State College
M.S.L.S. 1962, Atlanta University

Geoffrey L. Wilson (1985)B.P. Distinguished Professor of
Mathematics and Physics

B.A. 1945, University of Oxford
M.Sc. 1949, University of Oxford
Ph.D. 1975, Loughborough University of Technology

Catherine Wright (1984)Instructor of Health Education

B.S. 1972, North Carolina Central University
M.H.D.L. 1984, University of North Carolina - Charlotte

Hampton Wright (1958).....Associate Professor of Mathematics and
Computer Science
Department Head

B.S. 1956, Benedict College
M.S. 1959, Howard University
Ph.D. 1973, North Carolina State University

Imogene T. Yongue* (1988).....Assistant Professor of
English

B.A. 1948, Spelman College
M.A. 1954, New York University
Ed. D. 1980, Virginia Polytechnic Institute

IBM Visiting Scholars
Mamie L. Murrell
Michael E. Nagem, Jr.

*Temporary Appointment

DEGREES - JULY, 1986

BACHELOR OF ARTS

Thomas James Allen	Gary, IN
David Allen Coffey	Charlotte, NC
Mark Thomas Gibson	Forestville, MD
Bonita Fern Hardin	Fayetteville, NC
Melvin Antonio McLaughlin.....	Red Springs, NC
James D. Shockley	Lawnside, NJ
Keith Anthony Smith	Christionsburg, VA

BACHELOR OF SCIENCE

CUM LAUDE

Robert Jenning Chichester.....	Warrenton VA
--------------------------------	--------------

BACHELOR OF SCIENCE

Michael Keith Brandon	Semora, NC
Lisa Janine Browning	Philadelphia, PA
Calvin Laverne Coppedge.....	Rocky Mount, NC
Mildred Ann Durham	Gastonia, NC
Lisa Renee Ellerbee	Selma, NC
Alvin Dexter Ellington.....	Atlanta, GA
Wanda Marie Freeman	Charlotte, NC
Antonio Todd Gore.....	Myrtle Beach, SC
Lawaynia Marchel Hallums	Greenville, SC
Daphne Forrest Harris.....	Rockhill, SC
Maudu Baba Jallow	Gambia, West Africa
Karen Janine Jones.....	St. Albans, NY
Harry Bernard Martin.....	Columbia, SC
Melvin Warren Parker	High Point, NC
Tina Lisa Pettaway.....	Manson, NC
Marvin Cary Sharpe.....	Pinetops, NC
Gwendolyn Spurlock.....	Pennsauken, NJ
Diane Lucille Watkins	Los Angeles, CA
Valecia Denise White	Winston-Salem, NC
Reginald Thomas Wilson	Charlotte, NC

DEGREES MAY, 1987

BACHELOR OF ARTS

MAGNA CUM LAUDE

Theresa Antionette Crunkleton.....	Pittsburgh, PA
------------------------------------	----------------

CUM LAUDE

Lisa-Ann Rannell Bronson	Pittsburgh, PA
Walter Lee Hill *.....	Charlotte, NC
Debra Renee Mitchell	New York, NY
Mack Lester Staton	Charlotte, NC

BACHELOR OF ARTS

Sharon Rena Bethea	McCall, SC
William Kevin Bruton	Pittsboro, NC
Kenneth Bernard Cooper	Lumberton, NC
Rita Gooding Cople	Charlotte, NC
Kelvin Davis	East Orange, NJ
Samantha Dyvonne Davis	Fort Mill, SC
Alisa Rena Fryar	Washington, DC
Sharon McChaine Gordon	Massapequa, NY
Allen Bernard Gravely	Martinsville, VA
Jocelyn Elizabeth Green	Wilmington, NC
Ka'Sharon Purdy Hose	Jacksonville, FL
Danette Johnson	Chicago, IL
Emmette Bernard Johnson	Anderson, SC
Willis Raymond Jones	Charlotte, NC
William Robert King, II	Charlotte, NC
LaShun Yvette Lawson	Atlanta, GA
Michael Lee Legette	Mullins, SC
Gearlene Elizabeth Lesane	Mayesville, SC
Shyreen Tammie Lewis	Columbia, SC
Abraham McCormick	Meggett, SC
Billy McCullough	Rockhill, SC
Jeffrey Lanier Nelson *	Longwood, FL
Imeh Nnanah Ottong	Nigeria, AFRICA
Terence Rory Powers	Lumberton, NC
Shelia Thompson Reaves	Philadelphia, PA
Soundra Rene' Simpson	Bennettsville, SC
James Marshall Speller	Norfolk, VA
Catrina Michele Wilson	Charlotte, NC
Leroy Wise	Columbia, SC

BACHELOR OF SCIENCE**SUMMA CUM LAUDE**

Mario Oliver Sans	Jamaica, NY
-------------------------	-------------

MAGNA CUM LAUDE

Ida Parthenie Johnson	Washington, DC
Miriam Elizabeth Twitty	Marion, NC
Charles William Walker *	Charlotte, NC

CUM LAUDE

Anthony Henderson Anderson	Bladensburg, MD
Craig Anthony Bell	Miami, FL
Patricia Ann Brooks	Harleyville, SC
Dawne Terese Easley *	Fayetteville, NC
Peter Ecos-Ossio *	Bolivia, SOUTH AMERICA
Demetrius Hodges	Whiteville, NC
Tanya Michelle Jordan	Bennettsville, SC
Kathryn Rae McKenzie	Philadelphia, PA
Eric Anyibuofu Mudabai	Nigeria, AFRICA
Anthony Ephraim Patitu *	Tanzania, AFRICA

Sarah Louise Price * +	Martinsville, VA
Sharon Noel Sadler	Greenville, SC
Ito Edet Uko	Nigeria, AFRICA

BACHELOR OF SCIENCE

Jude Onunugbo Anurukem *	Nigeria, AFRICA
Billy Maurice Banks	Charlotte, NC
Felicia Annette Beane	Richmond, VA
Marshall Eugene Carter *	Gary, IN
Perina Covington	Charlotte, NC
Bruce Godfrey Davis	Sumter, SC
Jeffrey Allen Easterling	Miami, FL
Walter Obinna Ekechukwu	Concord, NC
Katherine Octavis Ellerbe	Charlotte, NC
Andre Lawrence Goode	Bronx, NY
Herman Clark Gore	Sharon, SC
Daniel Alonzo Harrison	Washington, DC
Elston Cornelius Hart *	Charlotte, NC
Janice Renee Landy *	Columbia, SC
John Alexander Logan	Stanley, NC
Iris Christine Lytle *	Arden, NC
Saundra Dee McCracken	Southport, NC
Lorna Gwyn McCutchen	Columbia, SC
LaTonya Monique McGowan	Oxon Hill, MD
Georgia Auanita McLean	Stanley, NC
Lauri Ann Moore *	Boynton Beach, FL
Walter Okoronkwo *	Charlotte, NC
Kimberly Dawn Relford *	Massillon, OH
Vincent Gregory Robinson	Suitland, MD
Anthony Nathaniel Scott	Charleston, SC
Robert Nduwuchi Soronnadi	Nigeria, AFRICA
Karren Yvette Spencer	Fayetteville, NC
Valerie Michele Stockton	Reidsville, NC
John Eric Torrence	Thomasville, NC
Eric Darryl White *	Monroe, NC
Alfonso Willingham, Jr. *	Winnsboro, SC
Valerie Patrice Woodson	Philadelphia, PA

BACHELOR OF SOCIAL WORK

Caryl Jonandez Hardin	Rock Hill, SC
-----------------------------	---------------

*Completed requirements December, 1986
+ Teacher Education

HONORARY DEGREES

DOCTOR OF HUMANE LETTERS

John Hurst Adams	Leon Clanton Riddick
------------------	----------------------

DOCTOR OF LAWS

John Conyers

DEGREES - JULY, 1987

BACHELOR OF ARTS

Rotunda Caldwell.....	Gary, IN
Yvonne Marie Conwell.....	Southern Pines, NC
Nuntia Esther Martor Davis	Charlotte, NC
Treven Thomas Hampton	Hartford, CT
Bartholomew Fitzgerald Jackman	Charleston, SC
Michael Eugene Paramore.....	Miami, FL
Joey Horace Pendergrass	Chester, SC
Fonda Yvette Sanders.....	Smithfield, NC
Debbie Wilson.....	Ridgeway, SC

BACHELOR OF SCIENCE

CUM LAUDE

Royce Maurice Askew	Charleston, SC
Anthony Anite Ugbo.....	Nigeria, WEST AFRICA

BACHELOR OF SCIENCE

Mark Laney Alexander	Charlotte, NC
Selita Nanette Cross.....	Jamesville, NC
Lillian Jean Glover	Chester, SC
Sharon Anise Key.....	Charlotte, NC
Kimberlyn Darshall Marshall	Upper Marlboro, MD
Verdan Nazaren St. Aimie	Charlotte, NC
Andrea Yvette Youngblood	Yonges Island, SC

BACHELOR OF SOCIAL WORK

Cleo Dolores Littlejohn.....	Gaffney, SC
Beatrice Denise Montgomery	Buffalo, NY

GEOGRAPHICAL DISTRIBUTION 1986-1987

	MEN	WOMEN	TOTAL
Alabama	1	1	2
California	1	1	2
Colorado	0	1	1
Connecticut	6	3	9
Delaware	0	2	2
District of Columbia	22	25	47
Florida	23	14	37
Georgia	15	25	40
Illinois	18	12	30
Indiana	2	3	5
Kansas	1	0	1
Maryland	26	25	51
Massachusetts	5	14	19
Michigan	5	6	11
Missouri	1	6	7
Nebraska	1	0	1
New Jersey	35	22	57
New York	45	49	94
North Carolina	193	261	454
Ohio	2	4	6
Pennsylvania	19	16	35
Rhode Island	0	2	2
South Carolina	94	148	242
Texas	3	0	3
Virginia	19	23	42
BAHAMAS	1	0	1
CHINA	0	1	1
ENGLAND	1	0	1
ETHIOPIA	1	0	1
LIBERIA	2	0	2
NIGERIA	9	1	10
SOUTH AMERICA	2	0	2
TANZANIA	1	0	1
VIRGIN ISLANDS	0	4	4
WEST INDIES	1	0	1
ZAIRE	1	1	2
TOTALS	556	670	1226

1986-1987
GENERAL NUMERICAL SUMMARY OF STUDENTS

CLASS	MEN	WOMEN	TOTAL	WORKING TOWARD DEGREE
SENIOR	79	74	153	
JUNIOR	76	127	203	
SOPHOMORE	128	174	302	
ADVANCED	99	99	198	
FRESHMAN				
FRESHMAN	172	189	361	
UNCLASSIFIED	1	1	2	
SPECIAL	1	6	7	
TOTAL	556	670	1226	1219
REGULAR				
SUMMER SESSION	121	119	240	221
- 1986				
TOTAL	677	789	1466	1440
REGULAR/				
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